Yahoo Group Archive: CloudSDR

Yahoo Group summary: RFSPACE CloudSDR and Cloud-IQ Software Defined Radio

These Yahoo Groups messages were archived in WARC format by ArchiveTeam in 2018. This PDF was generated by Digital Library of Amateur Radio & Communications from the WARC files in 2026.

Date span: 2014-10-05 through 2018-03-30

Source WARC: cloudsdr.zo3FUJZ.warc.gz

Source item: https://archive.org/details/yahoo-groups-2018-10-04T19-09-00Z-6c69ca

Messages included in this PDF: 254

Yahoo replaced the domain portions of email addresses with @... in the archived messages. Characters lost in Yahoo's archived text appear as ?.

Messages are presented in ascending Yahoo message-ID order. Gaps indicate records absent from the source WARC or messages omitted from this PDF as spam.

2. Listen to The Cloud

Yahoo group: CloudSDR
Date: 2014-10-05 09:38:08 UTC
From: pd0psb@...
Topic: 2 Message: 2

As usual, I'm probably one of the most impatient when it comes to new SDR developments.

I see a lot of activity on Twitter and the Cloud/SDRAnywhere webpages, also saw some very nice pictures of a high quality PCB with a big FPGA and ARM processor.

First of all congrats and best of luck with this new RFSpace design!
It could be -in my view- a concept defining a significant part of the future of SDR technology.
For me personally it would be a close to perfect SDR solution.

I am very curious about preliminary specs.
The online CloudSDRs seem to be performing *very* well on the entire DC-GHz range.
Since yesterday a BW of 10MHz was showed, though I can't get more than 300kc here.
I assume it is highly configurable.

Meanwhile I've become very fond of the straightforward SDRAnywhere system.
All OS versions of the RemoteSdrClient and the network prove to be very reliable and it is a relief to have a network with only high quality SDRs available.

Added up: Looking forward to the official introduction of CloudSDR!

73
Paul
PD0PSB

3. Re: Listen to The Cloud

Yahoo group: CloudSDR
Date: 2014-10-06 12:22:39 UTC
From: rfspace@...
Topic: 2 Message: 3

Paul,

We need a little more time before I post more info. The CLoudSDR is very exciting and has a lot of features. We are testing them before we announce them. The only CloudSDRs that support more than 250 KHz display are CL0005 and CL0006. When using the VHF/UHF frequencies you might have to set the attenuator to -30dB since that is the "Automatic AGC" mode. It is still not labeled correctly in the software. In 0-56 MHz you can go back to 0dB.

Pieter

4. Re: Listen to The Cloud

Yahoo group: CloudSDR
Date: 2014-10-18 17:16:37 UTC
From: pd0psb@...
Topic: 2 Message: 4

Hi Pieter,

No problem. Having a lot of fun with the online Clouds 3, 5 & 6.
I hope to purchase Cloud 9 one day :-)

I noticed the AGC in -20/30 att settings, especially around the BPF borders.
Some ranges ask for different gain structure settings.

Good thing about the SDRAnywhere (RemoteSdrClient) is that it allows creating templates in the memory field containing *all* parameters, so you can make preference sets per frequency range to even out noise floor variations, RX gain, AGC threshhold, waterfall contrast, zoom,etc.

This makes it possible to adjust the software seamlessly to any frequency area of interest across its wide range. The Clouds seem to hop quickly from one parameter set to the next.

73
Paul
PD0PSB

5. SDRanywhere updated

Yahoo group: CloudSDR
Date: 2014-11-19 00:46:28 UTC
From: rfspace@...
Topic: 5 Message: 5

We have updated the latest android client with better tuning and frequency display. Some bugs have also been addressed. The latest download here:

SDRanywhere http://sdranywhere.com/

SDRanywhere http://sdranywhere.com/ Operate RFSPACE SDRs anywhere in the world on your Android tablet, Windows, Linux or Mac OS

View on sdranywhere.com http://sdranywhere.com/
Preview by Yahoo

Pieter

6. excellent audio

Yahoo group: CloudSDR
Date: 2014-11-19 05:13:11 UTC
From: bob4john@...
Topic: 6 Message: 6

Thanks guys for an excellent system. The audio is superb. And the control screen is so simple it is almost unbelievable.

I am looking forward to future developments.

bobbie
kd4lv

7. Cost

Yahoo group: CloudSDR
Date: 2014-11-21 18:01:58 UTC
From: altectogo@...
Topic: 7 Message: 7

Pieter,

Greetings. I understand you cannot divulge much information about your new and exciting product. However, like most us have purchased a "few" new SDR's the last few months. I have now amassed Ettus B200, HackRf, Airspy and 4 dongles. As you can imagine, i have a few bucks in my stable.

I know the quality of RFSpace products are top notice both hardware and software. Can you give us any hint of 1. cost, 2. spec's so that i can determine to sell off my SDR stable and purchase your new unit. Thank you in advance for your consideration.

Vincent

8. Re: excellent audio

Yahoo group: CloudSDR
Date: 2014-11-29 18:23:04 UTC
From: pd0psb@...
Topic: 6 Message: 8
Attachments: 1 described; binary payloads are missing from this source WARC

>The audio is superb. And the control screen is so simple it is almost unbelievable.

And it can be combined with a lot of nice surrounding applications.
I use it on Mac OSX and like it a lot (see attached)

73
Paul
PD0PSB

9. CloudSDR and Mac

Yahoo group: CloudSDR
Date: 2014-12-17 11:48:22 UTC
From: SE5X Lennart
Topic: 9 Message: 9

Can I connect a Mac direct to the CloudSDR-unit (no remote)?

If yes, RemoteSdrClient or other software?

Very Best,
Lennart

10. Re: Cost

Yahoo group: CloudSDR
Date: 2014-12-17 12:26:55 UTC
From: rfspace@...
Topic: 7 Message: 10

Vincent,

Plan is to have two versions. One around the price of the SDR-IQ with 0-56 MHz and one around 1.9x the price with many more features. The one with all the featires will come out first, followed by a board only OEM version of the 0-56 version. I should have a brochure in about 10 days.

Pieter

11. Re: CloudSDR and Mac

Yahoo group: CloudSDR
Date: 2014-12-17 12:36:47 UTC
From: rfspace@...
Topic: 9 Message: 11

Lennart,

The CloudSDR has a built-in very efficient server with no PC required. For about 1.2Amps at 5 volt, you get a radio that is online within 10 seconds of power on. The audio is superb and you also get a display width of up to 10 MHz. The RemoteSDR client runs straight on Mac. There is also a way to run the Android App in MacOS and PC. The CloudSDR also has 24 bit streaming IQ to PC like the NetSDR.

Pieter

12. Re: [CloudSDR] Re: Cost

Yahoo group: CloudSDR
Date: 2014-12-17 15:31:41 UTC
From: Mario Illgen
Topic: 7 Message: 12

Hi Pieter,

I'm really looking forward to what is happening with CloudSDR.. A question which has been in my mind for some time - as SDRAnywhere has simple "TX support" does this mean that CloudSDR has TX capability??

Thanks and 73
Mario, DL3LSM

2014-12-17 13:26 GMT+01:00 rfspace@... [CloudSDR] <
CloudSDR@yahoogroups.com>:
>
>
>
> Vincent,
>
> Plan is to have two versions. One around the price of the SDR-IQ with 0-56
> MHz and one around 1.9x the price with many more features. The one with all
> the featires will come out first, followed by a board only OEM version of
> the 0-56 version. I should have a brochure in about 10 days.
>
> Pieter
>
>
>

13. Re: [CloudSDR] Re: Cost

Yahoo group: CloudSDR
Date: 2014-12-17 16:02:08 UTC
From: RFSPACE
Topic: 7 Message: 13

Hi Mario,

We currently have a low power signal generator prototype that allows transmit 0-450 MHz remotely. We are still testing it and evaluating to see if it is a viable product or option. It would be a plug-in board if it becomes a product and it would only be available in the bigger unit that has the extra space and circuitry.

Pieter

Sent from my iPhone

> On Dec 17, 2014, at 10:31 AM, Mario Illgen dl3lsm@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
> Hi Pieter,
>
> I'm really looking forward to what is happening with CloudSDR.. A question which has been in my mind for some time - as SDRAnywhere has simple "TX support" does this mean that CloudSDR has TX capability??
>
> Thanks and 73
> Mario, DL3LSM
>
>
> 2014-12-17 13:26 GMT+01:00 rfspace@... [CloudSDR] <CloudSDR@yahoogroups.com>:
>>
>>
>> Vincent,
>>
>>
>> Plan is to have two versions. One around the price of the SDR-IQ with 0-56 MHz and one around 1.9x the price with many more features. The one with all the featires will come out first, followed by a board only OEM version of the 0-56 version. I should have a brochure in about 10 days.
>>
>> Pieter
>
>

14. Re: Cost

Yahoo group: CloudSDR
Date: 2014-12-17 18:19:20 UTC
From: MV Elttba
Topic: 7 Message: 14

Great Pieter,look forward to this new product from RFSPACE

Vincent

15. Re: Cost

Yahoo group: CloudSDR
Date: 2014-12-31 14:56:03 UTC
From: scott@...
Topic: 7 Message: 15

Hi Pieter,

Any news on the brochure? I know the holidays might have slowed things down. I too am looking forward to an eventual purchase of the full-blown CloudSDR, so I need to start scheming on how I'm going to pay for it! :-)

Thanks, and Happy New Year!

Scott
Scan New England
Scan New England http://www.scan-ne.net

Scan New England http://www.scan-ne.net

View on www.scan-ne.net http://www.scan-ne.net
Preview by Yahoo

16. Re: [CloudSDR] Re: Cost

Yahoo group: CloudSDR
Date: 2014-12-31 23:16:50 UTC
From: RFSPACE
Topic: 7 Message: 16

Will try to get the preliminary info out later today.

Pieter

Sent from my iPhone

> On Dec 31, 2014, at 9:56 AM, scott@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
> Hi Pieter,
>
> Any news on the brochure? I know the holidays might have slowed things down. I too am looking forward to an eventual purchase of the full-blown CloudSDR, so I need to start scheming on how I'm going to pay for it! :-)
>
> Thanks, and Happy New Year!
>
> Scott
> Scan New England
> Scan New England
>
> Scan New England
> View on www.scan-ne.net
> Preview by Yahoo
>

18. New file uploaded to CloudSDR

Yahoo group: CloudSDR
Date: 2015-01-01 02:14:45 UTC
From: CloudSDR@yahoogroups.com
Topic: 18 Message: 18

```
Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the CloudSDR
group.

File : /CloudSDR_0v1.pdf
Uploaded by : rfspace <rfspace@...>
Description : CloudSDR Preliminary Specifications v0.1

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/CloudSDR/files/CloudSDR_0v1.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

rfspace <rfspace@...>
```

19. Re: New file uploaded to CloudSDR

Yahoo group: CloudSDR
Date: 2015-01-01 02:09:30 UTC
From: docdailey@...
Topic: 18 Message: 19

```
That didn't last long..lol.
```

20. Re: [CloudSDR] New file uploaded to CloudSDR

Yahoo group: CloudSDR
Date: 2015-01-01 10:24:15 UTC
From: Edson W. R. Pereira
Topic: 18 Message: 20

Pieter,

The specs for the CloudSDR are impressive. The tuner and RF generator options are very welcome and will certainly be very useful. With them, it will be possible to implement a very compact JT65 (or any other CW mode)

station. The generator feature will also be welcome in the lab bench.

73 and Happy New Year
Edson PY2SDR

- We humans have the capability to do amazing things if we work together.
- Nós seres humanos temos a capacidade de fazer coisas incríveis se trabalharmos juntos.

On Thu, Jan 1, 2015 at 12:14 AM, <CloudSDR@yahoogroups.com> wrote:

>
>
>
> Hello,
>
> This email message is a notification to let you know that
> a file has been uploaded to the Files area of the CloudSDR
> group.
>
> File : /CloudSDR_0v1.pdf
> Uploaded by : rfspace <rfspace@...>
> Description : CloudSDR Preliminary Specifications v0.1
>
> You can access this file at the URL:
> https://groups.yahoo.com/neo/groups/CloudSDR/files/CloudSDR_0v1.pdf
>
> To learn more about file sharing for your group, please visit:
>
> https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398
>
> Regards,
>
> rfspace <rfspace@...>
>
>

21. Re: New file uploaded to CloudSDR

Yahoo group: CloudSDR
Date: 2015-01-01 16:29:33 UTC
From: pd0psb@...
Topic: 18 Message: 21

Very impressive & radical machine !

Following SDR developments since 2007, this is an instant "must have" for me.
I hope government agencies will leave some stock ;-)

73
Paul
PD0PSB

22. Re: [CloudSDR] Re: New file uploaded to CloudSDR

Yahoo group: CloudSDR
Date: 2015-01-01 16:47:01 UTC
From: Scott Halligan
Topic: 18 Message: 22

Indeed, thanks for posting that Pieter. This is something I will greatly look forward to; it'll clearly become SDR #1 for me as soon as I come up with the $$ to buy it! :-)

One point that has me a little confused; while controlling it what is the maximum bandwidth I can view to be able to point and click and immediately demodulate audio? I'm overlooking something simple no doubt. I would be primarily using this for "above 56 MHz".

Thanks and Happy New Year!

Scott

On 1/1/2015 11:29 AM, pd0psb@... [CloudSDR] wrote:
>
> *Very* impressive & radical machine !
>
> Following SDR developments since 2007, this is an instant "must have"
> for me.
> I hope government agencies will leave some stock ;-)
>
> 73
> Paul
> PD0PSB
>
>

--
Scott
Webmaster - Scan New England
http://www.scan-ne.net

23. Re: [CloudSDR] Re: New file uploaded to CloudSDR

Yahoo group: CloudSDR
Date: 2015-01-01 19:00:13 UTC
From: ae4jy@...
Topic: 18 Message: 23

Hi Scott, The Cloudsdr has two basic modes of operations.
1. "I/Q" mode where it is very similar to the other RFSpace SDR's in that it just supplies the raw I/Q data stream and all the display,demod,etc is done using a PC program like SV, SDR-Radio, or whatever. In this mode the maximum continuous BW is 1MHz usable for demod and file saving. Like the old SDR-14 it also has discontinuous modes where it can be used for spectrum viewing only(no demod) up to 56MHz wide on HF and about 8MHz wide for above 56MHz.

2.The "Cloud" mode is a remote operation mode where the CloudSDR does all the spectrum and demodulation processing and just sends a compressed audio and "spectrum video" data stream to a minimalist client that just displays the spectrum data and sends the audio to the sound device. This mode is useful for going over the Internet due to its much lower data rates.
In this mode the CloudSDR has essentially 2 separate receivers tuned to the same center frequency. One is used only to capture spectrum for viewing and is not continuous but can be adjusted from 1000Hz BW to 10MHz BW independent of the second receiver which is used for demodulation and runs at much lower sample rate.
So for tuning, the visible spectrum can be up to 10MHz wide although its hard to click on narrow signals to tune except for things like FM broadcast or TV signals.

You can download a PC client here and connect to some of the CloudSDR prototypes that are online to play with:
http://sourceforge.net/projects/remotesdrclient/
http://sourceforge.net/projects/remotesdrclient/

The CloudSDR's will have a serial number beginning with "CL". They may come and go as we are still working on them so may not always have antennas connected to them or be online.

Mine is CL000006 and is located just north of Atlanta GA. It is normally GPS frequency locked. On HF it is using a Pixel Tech Active loop and on VHF/UHF is a dual band 2m/70cm vertical so isn't much use above 500MHz. There is always a beacon at ~144.287MHz and all the local Atlanta broadcast stations, wx stations at 162.55 etc.

73
Moe, ae4jy

---In CloudSDR@yahoogroups.com, <scott@scan-ne.net> wrote :

Indeed, thanks for posting that Pieter. This is something I will greatly look forward to; it'll clearly become SDR #1 for me as soon as I come up with the $$ to buy it! :-)

One point that has me a little confused; while controlling it what is the maximum bandwidth I can view to be able to point and click and immediately demodulate audio? I'm overlooking something simple no doubt. I would be primarily using this for "above 56 MHz".

Thanks and Happy New Year!

Scott

24. Re: [CloudSDR] Re: New file uploaded to CloudSDR

Yahoo group: CloudSDR
Date: 2015-01-01 22:00:00 UTC
From: Scott Halligan
Topic: 18 Message: 24

Thanks very much Moe. That is an outstanding explanation. I'm looking forward to it. I have played a few times on the CloudSDR's online, and will again. I appreciate it!

Scott
Webmaster - Scan New England
http://www.scan-ne.net

On 1/1/2015 2:00 PM, ae4jy@... [CloudSDR] wrote:
>
> Hi Scott,
>
> The Cloudsdr has two basic modes of operations.
>

25. Re: [CloudSDR] Re: New file uploaded to CloudSDR

Yahoo group: CloudSDR
Date: 2015-01-02 11:48:23 UTC
From: crcrane@...
Topic: 18 Message: 25

The device definitely appears to receive well. I logged into the CL000006 receiver and tuned to the military satellite band. I could see transponders which is pretty amazing considering the antenna is a ham band antenna.

I want one of these NOW... TAKE MY MONEY PLEASE!!!

26. CloudSDR: excellent - see short video

Yahoo group: CloudSDR
Date: 2015-01-03 14:42:47 UTC
From: nils.schiffhauer@...
Topic: 26 Message: 26

Hi - today, I tried out CloudSDR & the client via remote.
All worked fine and smoothly, thanks Pieter & Moe!
Especially, I would like to stress the audio which is simply perfect. I did some remote DX of local broadcast, FAX, FSK and delicate STANAG4285 from Tahiti (French Navy, FUM) with 2.400 Baud, 8-PSK on a (very) multipath channel. Although decoding has just been made on the internal Windows' (!) soundcard (!!), synchronization of both challenging signals was perfect.
I am really enthusiastic about this performance - standing ovations to Pieter & Moe!
You may have a 2 minutes' look over my shoulder when I was doing what I said above at:

http://youtu.be/06T7Pspfz8g http://youtu.be/06T7Pspfz8g

73 Nils, DK8OK

27. CL05 and CL07 on new antennas

Yahoo group: CloudSDR
Date: 2015-01-03 20:50:44 UTC
From: rfspace@...
Topic: 27 Message: 27

Hi All,

I've made some changes to the antennas on CL05 and CL07 for those interested in testing them.

CL05 has a fan dipole for 80,40,20,15,10 plus a Log periodic 100-500 MHz with 100 foot of LMR400 plus a splitter. Will add a preamp on it soon since the losses are really high. The polarization is vertical. This allows testing FM broadcast stations. Try setting the span to 8 MHz and tuning around 88 MHz WFM.

CL-07 has a homebrew 2 foot active loop for 14-56 MHz plus the other splitter leg from above for VHF/UHF.

Some signal of interest:

88-108 WFM
183 MHz HDTV set to 6+ MHz wide
162.55 MHz weather stations FM
243.82MHz USB bubbles from satcom with antenna pointing at horizon and long coax

464.000 MHz FM taxi service Atlanta
464.350 MHz FM TAXI Service

433.92 WAM mode weather stations and my car's tire pressure sensors

124.600 AM Atlanta airport approach South

Pieter

28. For FM broadcast on CL use -30dB attenuator setting = AUTO

Yahoo group: CloudSDR
Date: 2015-01-03 20:53:51 UTC
From: rfspace@...
Topic: 28 Message: 28

Currently the AUTO setting for the 56-1GHz MHz port of the CloudSDR has the -30dB attenuator mapped to AUTO. This is necessary for the best FM reception since I have a few line of sight FM stations a few miles away.

Pieter

30. About FM broadcast and RDS

Yahoo group: CloudSDR
Date: 2015-01-05 18:35:34 UTC
From: Giampiero Bernardini
Topic: 30 Message: 30

Ciao Pieter,
I hope CloudSDR will decode in FM broadcasting band also RDS data (like PS, PI…) for the European and not only market. What about digital FM in USA?
Thanks
Looking forward for this RX
Giampiero

Giampiero Bernardini
Milano, Italy

Da: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Inviato: sabato 3 gennaio 2015 21:54
A: CloudSDR@yahoogroups.com
Oggetto: [CloudSDR] For FM broadcast on CL use -30dB attenuator setting = AUTO

Currently the AUTO setting for the 56-1GHz MHz port of the CloudSDR has the -30dB attenuator mapped to AUTO. This is necessary for the best FM reception since I have a few line of sight FM stations a few miles away.

Pieter

31. Re: [CloudSDR] About FM broadcast and RDS

Yahoo group: CloudSDR
Date: 2015-01-06 01:43:26 UTC
From: RFSPACE
Topic: 30 Message: 31

Giampiero,

I doubt that the CloudSDR will do RDS or HD radio. This is not planned
at this time. You can always do RDS in the IQ mode.

Pieter

On 1/5/2015 1:35 PM, Giampiero Bernardini g.bernardini@...
[CloudSDR] wrote:
>
> Ciao Pieter,
>
> I hope CloudSDR will decode in FM broadcasting band also RDS data
> (like PS, PI…) for the European and not only market. What about
> digital FM in USA?
>
> Thanks
>
> Looking forward for this RX
>
> Giampiero
>
> Giampiero Bernardini
>
> Milano, Italy
>
> *Da:*CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
> *Inviato:* sabato 3 gennaio 2015 21:54
> *A:* CloudSDR@yahoogroups.com
> *Oggetto:* [CloudSDR] For FM broadcast on CL use -30dB attenuator
> setting = AUTO
>
> Currently the AUTO setting for the 56-1GHz MHz port of the CloudSDR
> has the -30dB attenuator mapped to AUTO. This is necessary for the
> best FM reception since I have a few line of sight FM stations a few
> miles away.
>
> Pieter
>
>

32. Frequency coverage question

Yahoo group: CloudSDR
Date: 2015-01-08 17:57:15 UTC
From: jlmetcalfe@...
Topic: 32 Message: 32

Is the Cloud SDR required to exclude the 800 Mhz area that wideband receivers sold in the US leave out?

Jack Metcalfe

33. Re: Frequency coverage question

Yahoo group: CloudSDR
Date: 2015-01-09 12:21:30 UTC
From: ae4jy@...
Topic: 32 Message: 33

Hi Jack, I think it is exempt since the hardware/firmware does not support frequency scanning.
If you look towards the end of this in sect 403
ftp://ftp.fcc.gov/pub/Bureaus/OSEC/library/legislative_histories/1460.pdf

It only addresses "any scanning receiver" so I think that is the loophole in a very out of date useless law that of course will never be repealed in my lifetime.
I don't think any of the rtl dongles, USRP, hackrf boards, etc block anything.

Moe

---In CloudSDR@yahoogroups.com, <jlmetcalfe@kywimax.com> wrote :

Is the Cloud SDR required to exclude the 800 Mhz area that wideband receivers sold in the US leave out?

Jack Metcalfe

34. Re: Frequency coverage question

Yahoo group: CloudSDR
Date: 2015-01-09 17:11:59 UTC
From: jlmetcalfe@...
Topic: 32 Message: 34

Thanks, Moe. That was my assumption, too, but I don't think I've ever seen it addressed before. Looking forward to the CloudSDR, do you have a projected availability yet?

Jack Metcalfe

35. Record bandwidth.....

Yahoo group: CloudSDR
Date: 2015-02-09 15:29:33 UTC
From: daiche@...
Topic: 35 Message: 35

Hi Moe, It looks like the Cloudsdr can just cover the whole MW band when recording at full bandwidth. Is that correct or is it really about 1Mhz of actually usable bandwidth? Thanks!

Any feel for when the radio will be in production?

Dave Aichelman N7NZH Dewey, AZ

36. Re: [CloudSDR] Record bandwidth.....

Yahoo group: CloudSDR
Date: 2015-02-09 16:34:26 UTC
From: RFSPACE
Topic: 35 Message: 36

1 MHz usable at 1.228 sample rate.

Pieter

Sent from my SDR

> On Feb 9, 2015, at 10:29 AM, daiche@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
> Hi Moe, It looks like the Cloudsdr can just cover the whole MW band when recording at full bandwidth. Is that correct or is it really about 1Mhz of actually usable bandwidth? Thanks!
>
>
>
> Any feel for when the radio will be in production?
>
>
>
> Dave Aichelman N7NZH Dewey, AZ
>
>

37. RE: [CloudSDR] Record bandwidth.....

Yahoo group: CloudSDR
Date: 2015-02-09 17:01:11 UTC
From: Mike Willis
Topic: 35 Message: 37

Hi Pieter,

Are they available yet? My US trip is coming up next week.

Mike

From: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Sent: 09 February 2015 16:34
To: CloudSDR@yahoogroups.com
Subject: Re: [CloudSDR] Record bandwidth.....

1 MHz usable at 1.228 sample rate.

Pieter

Sent from my SDR

On Feb 9, 2015, at 10:29 AM, daiche@yahoo.com <mailto:daiche@...> [CloudSDR] <CloudSDR@yahoogroups.com <mailto:CloudSDR@yahoogroups.com> > wrote:

Hi Moe, It looks like the Cloudsdr can just cover the whole MW band when recording at full bandwidth. Is that correct or is it really about 1Mhz of actually usable bandwidth? Thanks!

Any feel for when the radio will be in production?

Dave Aichelman N7NZH Dewey, AZ

38. Re: [CloudSDR] Record bandwidth.....

Yahoo group: CloudSDR
Date: 2015-02-09 18:53:10 UTC
From: RFSPACE
Topic: 35 Message: 38

Mike,

Not yet. We're in the final stretch.

Pieter

Sent from my SDR

> On Feb 9, 2015, at 12:01 PM, 'Mike Willis' willis.mj@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
> Hi Pieter,
>
>
>
> Are they available yet? My US trip is coming up next week.
>
>
>
> Mike
>
>
>
> From: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
> Sent: 09 February 2015 16:34
> To: CloudSDR@yahoogroups.com
> Subject: Re: [CloudSDR] Record bandwidth.....
>
>
>
>
>
> 1 MHz usable at 1.228 sample rate.
>
>
>
> Pieter
>
> Sent from my SDR
>
>
> On Feb 9, 2015, at 10:29 AM, daiche@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
>
>
> Hi Moe, It looks like the Cloudsdr can just cover the whole MW band when recording at

full bandwidth. Is that correct or is it really about 1Mhz of actually usable bandwidth? Thanks!
>
>
>
> Any feel for when the radio will be in production?
>
>
>
> Dave Aichelman N7NZH Dewey, AZ
>
>
>

39. Spectrum record during remote operation

Yahoo group: CloudSDR
Date: 2015-02-11 22:55:24 UTC
From: daiche@...
Topic: 39 Message: 39

Can I assume that it is not possible to spectrum record during remote operation?

The Excalibur Pro can do this, but the RF recording is saved to the local PC with the radio connected to it, while audio recordings are passed to the remote user location across the network.

Dave Aichelman N7NZH Dewey, AZ

40. CloudSDR+ and CloudSDR-

Yahoo group: CloudSDR
Date: 2015-02-13 00:54:09 UTC
From: rfspace@...
Topic: 40 Message: 40
Attachments: 2 described; binary payloads are missing from this source WARC

Hi All,

We're still making progress on the CloudSDR and its little brother. The smaller CloudSDR is 0-56 with a smaller feature set. We still don't have a name for it. It will replace the SDR-IQ with a similar price point. It will offer more bandwidth, higher performance plus IQ and Cloud modes. In the next couple of weeks we will be working on CE and FCC testing. Some of our bigger customers want to integrate the CloudSDR into large receiving arrays. We plan to offer it as an OEM board only version initially like we did with the SDR-IQ.

The small CloudSDR (CH001) and the CloudSDR(CL005,CL007) are available online as development permits.

Pieter

41. Re: CloudSDR+ and CloudSDR-

Yahoo group: CloudSDR
Date: 2015-02-13 01:36:21 UTC
From: MV Elttba
Topic: 40 Message: 41

Thank you Pieter for the update.

vincent

42. Re: CloudSDR+ and CloudSDR-

Yahoo group: CloudSDR
Date: 2015-02-13 09:50:28 UTC
From: pd0psb@...
Topic: 40 Message: 42

In Holland we call a little cloud a "schapenwolk" (sheep cloud).

But a Sheep Defined Radio would better suit an episode of Wallace & Grommit...

Pretty machines!

73
Paul
PD0PSB

43. Re: CloudSDR+ and CloudSDR-

Yahoo group: CloudSDR
Date: 2015-02-13 23:41:42 UTC
From: sdr_herrmanns@...
Topic: 40 Message: 43

```
how about cloudySDR? ;)
```

44. RE: [CloudSDR] CloudSDR+ and CloudSDR- [2 Attachments]

Yahoo group: CloudSDR
Date: 2015-02-14 14:31:17 UTC
From: Simon Brown
Topic: 40 Message: 44

CloudSDR Professional

CloudSDR Ultimate

Simon Brown G4ELI
http://v2.sdr-radio.com

From: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]

We're still making progress on the CloudSDR and its little brother. The smaller CloudSDR is 0-56 with a smaller feature set. We still don't have a name for it. It will replace the SDR-IQ with a similar price point. It will offer more bandwidth, higher performance plus IQ and Cloud modes. In the next couple of weeks we will be working on CE and FCC testing. Some of our bigger customers want to integrate the CloudSDR into large receiving arrays. We plan to offer it as an OEM board only version initially like we did with the SDR-IQ.

The small CloudSDR (CH001) and the CloudSDR(CL005,CL007) are available online as development permits.

Pieter

45. CloudSDR and CloudIQ PSK31 and PSK63 demod

Yahoo group: CloudSDR
Date: 2015-03-01 22:13:13 UTC
From: rfspace@...
Topic: 45 Message: 45
Attachments: 1 described; binary payloads are missing from this source WARC

The CloudSDR and Cloud-IQ now have basic support for PSK31 and PSK63 demod. The latest PC client is available here:

https://sourceforge.net/projects/remotesdrclient/files/?source=navbar
https://sourceforge.net/projects/remotesdrclient/files/?source=navbar

Set the span to 10 kHz or less and select the DIG demod mode. A window will pop up with the receive text. Right now only CL05,CL06 and CL07 have that capability. Cloud-IQ CH01 should have support one of these days when the rock-star* engineer gets to it.

Pieter

http://goo.gl/e9v2mm http://goo.gl/e9v2mm

* Inventor of WinPSK.

46. Some Cloud questions

Yahoo group: CloudSDR
Date: 2015-03-07 16:46:31 UTC
From: pd0psb@...
Topic: 46 Message: 46

Hi,

Some Cloud questions:

Hardware:
-What user parameters can be set in the server?
-Will it have a webbrowser to remotely set parameters?
-F.i. is it possible to trade-in bandwidth for a higher resolution FFT?
-Is power consumption reduced when the actual receiver is not adressed?
-Is some form of antenna switching possible/planned (via GPIO pins)?

Software:
-Is a basic Noise Blanker planned? (more important every day ;-)
-Narrower filters for CW/Data?
-Separated avaraging between spectrum/w'fall?

Btw: the Android App has stopped functioning on several devices since the latest version.

73
Paul
PD0PSB

47. Re: [CloudSDR] Some Cloud questions

Yahoo group: CloudSDR
Date: 2015-03-07 17:00:11 UTC
From: RFSPACE
Topic: 46 Message: 47

Paul,

I will post an image of the different parameters that can be set. Those are set within the local network using the CloudSDR setup program. It won't have a built in browser. The FFT size in cloud mode is fixed at 2048, but the resolution is better as span is reduced. The Cloud-IQ has two antenna ports selectable remotely. We hope to have a simple noise blanker in cloud mode, but might be tricky to do in the small Cortex M4F. Separate averaging might be doable in application, but not in CloudSDR. Narrow filters might be possible. Thanks for the questions and suggestions. We're also looking into the crashing issues.

Pieter

Sent from my SDR

> On Mar 7, 2015, at 11:46 AM, pd0psb@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
> Hi,
>
> Some Cloud questions:
>
> Hardware:
> -What lctableuser parameters can be set in the server?
> -Will it have a webbrowser to remotely set parameters?
> -F.i. is it possible to trade-in bandwidth for a higher resolution FFT?
> -Is power consumption reduced when the actual receiver is not adressed?
> -Is some form of antenna switching possible/planned (via GPIO pins)?
>
> Software:
> -Is a basic Noise Blanker planned? (more important every day ;-)
> -Narrower filters for CW/Data?
> -Separated avaraging between spectrum/w'fall?
>
> Btw: the Android App has stopped functioning on several devices since the latest version.
>
> 73
> Paul
> PD0PSB
>
>
>
>

48. RE: [CloudSDR] Some Cloud questions

Yahoo group: CloudSDR
Date: 2015-03-07 17:39:13 UTC
From: Mike Willis
Topic: 46 Message: 48

Excellent.

I wonder if it might be possible at some time in the future to implement digital demodulators at the server end? I can see phase info becoming lost over the internet and raw IQ might be a bit bandwidth heavy. BPSK, QPSK, OFDM, and so on. There is code for this in the Gnuradio project.

Mike

From: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Sent: 07 March 2015 17:00
To: CloudSDR@yahoogroups.com
Subject: Re: [CloudSDR] Some Cloud questions

Paul,

I will post an image of the different parameters that can be set. Those are set within the local network using the CloudSDR setup program. It won't have a built in browser. The FFT size in cloud mode is fixed at 2048, but the resolution is better as span is reduced. The Cloud-IQ has two antenna ports selectable remotely. We hope to have a simple noise blanker in cloud mode, but might be tricky to do in the small Cortex M4F. Separate averaging might be doable in application, but not in CloudSDR. Narrow filters might be possible. Thanks for the questions and suggestions. We're also looking into the crashing issues.

Pieter

Sent from my SDR

On Mar 7, 2015, at 11:46 AM, pd0psb@... <mailto:pd0psb@...> [CloudSDR] <CloudSDR@yahoogroups.com <mailto:CloudSDR@yahoogroups.com> > wrote:

Hi,

Some Cloud questions:

Hardware:
-What lctableuser parameters can be set in the server?
-Will it have a webbrowser to remotely set parameters?
-F.i. is it possible to trade-in bandwidth for a higher resolution FFT?
-Is power consumption reduced when the actual receiver is not adressed?
-Is some form of antenna switching possible/planned (via GPIO pins)?

Software:
-Is a basic Noise Blanker planned? (more important every day ;-)
-Narrower filters for CW/Data?
-Separated avaraging between spectrum/w'fall?

Btw: the Android App has stopped functioning on several devices since the latest version.

73
Paul
PD0PSB

49. Re: [CloudSDR] Some Cloud questions

Yahoo group: CloudSDR
Date: 2015-03-08 13:11:21 UTC
From: RFSPACE
Topic: 46 Message: 49

Mike,

The PSK31/63 is implemented inside the radio server. Even if it was done at audio and client side, the phase info is not lost. SSB demod is just frequency translation of a 3kHz block of spectrum to DC. This block has all of the information that was present at the higher frequency. This is true for all the audio based digital modes that are transmitted or received in SSB mode. In the Cloud radios, there is some loss of quality in the compressed modes, but there is also a raw mode without compression. We have demoded PSK signals in the 16kb/s mode at the client with minimal loss of performance.

Pieter

Sent from my SDR

> On Mar 7, 2015, at 12:39 PM, 'Mike Willis' willis.mj@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
> Excellent.
>
>
>
> I wonder if it might be possible at some time in the future to implement digital demodulators at the server end? I can see phase info becoming lost over the internet and raw IQ might be a bit bandwidth heavy. BPSK, QPSK, OFDM, and so on. There is code for this in the Gnuradio project.
>
>
>
> Mike
>
>
>
> From: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
> Sent: 07 March 2015 17:00
> To: CloudSDR@yahoogroups.com
> Subject: Re: [CloudSDR] Some Cloud questions
>
>
>
>
>
> Paul,
>
>
>
> I will post an image of the different parameters that can be set. Those are set within

the local network using the CloudSDR setup program. It won't have a built in browser. The FFT size in cloud mode is fixed at 2048, but the resolution is better as span is reduced. The Cloud-IQ has two antenna ports selectable remotely. We hope to have a simple noise blanker in cloud mode, but might be tricky to do in the small Cortex M4F. Separate averaging might be doable in application, but not in CloudSDR. Narrow filters might be possible. Thanks for the questions and suggestions. We're also looking into the crashing issues.
>
>
>
> Pieter
>
>
>
>
>
> Sent from my SDR
>
>
> On Mar 7, 2015, at 11:46 AM, pd0psb@hotmail.com [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
>
>
> Hi,
>
> Some Cloud questions:
>
> Hardware:
> -What lctableuser parameters can be set in the server?
> -Will it have a webbrowser to remotely set parameters?
> -F.i. is it possible to trade-in bandwidth for a higher resolution FFT?
> -Is power consumption reduced when the actual receiver is not adressed?
> -Is some form of antenna switching possible/planned (via GPIO pins)?
>
> Software:
> -Is a basic Noise Blanker planned? (more important every day ;-)
> -Narrower filters for CW/Data?
> -Separated avaraging between spectrum/w'fall?
>
> Btw: the Android App has stopped functioning on several devices since the latest version.
>
> 73
> Paul
> PD0PSB
>
>
>
>
>

50. RE: [CloudSDR] Some Cloud questions

Yahoo group: CloudSDR
Date: 2015-03-09 12:25:35 UTC
From: ae4jy@...
Topic: 46 Message: 50

Hi Mike,
As Pieter mentioned, one can use most of the digital programs like fldigi etc by looping soundcard data to it using the stereo mix input(although uSoft seems to want to remove this) or use something like Voicemeeter to create multiple virtual audio ports.
I'm also implementing a new raw data mode where the Cloud sends 8 bit raw I/Q baseband data after the main filter and AGC instead of compressed audio. 8 bits should be more than sufficient since it is after the AGC maybe even 4.
This will allow up to 2kHz BW and still only consume 32kbs of Internet BW. This should allow a custom client to decode just about any HF digital mode without the use of a sound card.

Unfortunately(fortunate for me :)) the Cloud's STM32F4 uC ram is about full so feature creep is pretty much limited to minor changes.

Again this only applies to the stand alone Cloud Internet Mode. If you put it in the normal I/Q mode then you can do all the normal high performance things using the PC's resources and a full featured program like SDR-Radio etc.

Moe

---In CloudSDR@yahoogroups.com, <willis.mj@gmail.com> wrote :

Excellent.

I wonder if it might be possible at some time in the future to implement digital demodulators at the server end? I can see phase info becoming lost over the internet and raw IQ might be a bit bandwidth heavy. BPSK, QPSK, OFDM, and so on. There is code for this in the Gnuradio project.

Mike

51. New List Server beta format

Yahoo group: CloudSDR
Date: 2015-03-09 15:47:32 UTC
From: ae4jy@...
Topic: 51 Message: 51

The latest client and server PC applications(ver 1.10) added 3 new fields to the List server.
http://sourceforge.net/projects/remotesdrclient/files/?source=navbar
http://sourceforge.net/projects/remotesdrclient/files/?source=navbar

1. A text field to add a URL that can be used as a link to one's own web page for further information about the server such as antennas used, location, etc.
2. A text field to display any options that may become available on the cloud server.
3. A text field giving the last connected clients info or IP address. This is specified on the client side setup and is basically a courtesy so one can know who has connected to their server. If left blank it just displays the clients IP address.

For the time being, in order to use these new fields a separate list server is used that has the word "beta" before the ",py" suffix on all the python script files.

"getentriesbeta.py" instead of "getentries.py" in the client.
"putentrybeta.py" instead of "putentry.py" in the server
http://moetronix.com/cgi-bin/sdrwebbeta.py http://moetronix.com/cgi-bin/sdrwebbeta.py for web view

Right now only my CloudSDR is on that network as an example of how it looks. You are welcome to add your servers to play with as well.

Once the Android App gets updated then the old list server format will be retired and only this new one will remain and the beta will be removed.

As a status update on the Cloud-IQ and CloudSDR, they are both in the middle of regulatory testing and so far everything is passing. Once that ridiculous waste of time and money is finished we can get to the business of actually manufacturing the things.

Moe

52. A question for Moe

Yahoo group: CloudSDR
Date: 2015-03-09 16:13:51 UTC
From: Giampiero Bernardini
Topic: 52 Message: 52
Attachments: 2 described; binary payloads are missing from this source WARC

Dear Moe,
I am an old user of your software with SDR-14 and SDR-IQ
Just question: with the remote SDR control it will be possible have mask in the principal windows for direct frequency input?
I’m looking forward for CloudSDR
Have a good SDR job with Peter
Ciao
Giampiero

Giampiero Bernardini
Milano, Italia

Da: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Inviato: lunedì 9 marzo 2015 16:48
A: CloudSDR@yahoogroups.com
Oggetto: [CloudSDR] New List Server beta format

The latest client and server PC applications(ver 1.10) added 3 new fields to the List server.

http://sourceforge.net/projects/remotesdrclient/files/?source=navbar

1. A text field to add a URL that can be used as a link to one's own web page for further information about the server such as antennas used, location, etc.

2. A text field to display any options that may become available on the cloud server.

3. A text field giving the last connected clients info or IP address. This is specified on the client side setup and is basically a courtesy so one can know who has connected to their server. If left blank it just displays the clients IP address.

For the time being, in order to use these new fields a separate list server is used that has the word "beta" before the ",py" suffix on all the python script files.

"getentriesbeta.py" instead of "getentries.py" in the client.

"putentrybeta.py" instead of "putentry.py" in the server

http://moetronix.com/cgi-bin/sdrwebbeta.py for web view

Right now only my CloudSDR is on that network as an example of how it looks. You are welcome to add your servers to play with as well.

Once the Android App gets updated then the old list server format will be retired and only this new one will remain and the beta will be removed.

As a status update on the Cloud-IQ and CloudSDR, they are both in the middle of regulatory testing and so far everything is passing. Once that ridiculous waste of time and money is finished we can get to the business of actually manufacturing the things.

Moe

53. Re: [CloudSDR] Some Cloud questions

Yahoo group: CloudSDR
Date: 2015-03-09 16:58:31 UTC
From: pd0psb@...
Topic: 46 Message: 53

Thanks,
Looking forward to the image.
Nice to hear the Cloud-IQ has two antenna ports!
My dream is to have a *very* remote Cloud-IQ on solar power with 3G or 4G conection.
73
Paul

54. Re: A question for Moe

Yahoo group: CloudSDR
Date: 2015-03-09 17:36:45 UTC
From: ae4jy@...
Topic: 52 Message: 54

Hi Giampiero, Not exactly sure what a mask for direct frequency input is.
Do you mean a spectrum mask for determining if a signal's spectrum is above a specified limit say for monitoring broadcast signals?

Moe

---In CloudSDR@yahoogroups.com, <g.bernardini@avvenire.it> wrote :

Dear Moe,
I am an old user of your software with SDR-14 and SDR-IQ
Just question: with the remote SDR control it will be possible have mask in the principal windows for direct frequency input?
I’m looking forward for CloudSDR
Have a good SDR job with Peter
Ciao
Giampiero

Giampiero Bernardini
Milano, Italia

55. RE: [CloudSDR] Some Cloud questions

Yahoo group: CloudSDR
Date: 2015-03-09 18:59:47 UTC
From: Mike Willis
Topic: 46 Message: 55

I was thinking of something that could be used as a remote satellite ground station – it’s too noisy here. I like the IQ raw idea but it needs a lot more than 2kHz for VHF signals. I suppose if there is information in the stream it could be compressed. More RAM! Can’t have too much.

Mike

From: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Sent: 09 March 2015 12:26
To: CloudSDR@yahoogroups.com
Subject: RE: [CloudSDR] Some Cloud questions

Hi Mike,

As Pieter mentioned, one can use most of the digital programs like fldigi etc by looping soundcard data to it using the stereo mix input(although uSoft seems to want to remove this) or use something like Voicemeeter to create multiple virtual audio ports.

I'm also implementing a new raw data mode where the Cloud sends 8 bit raw I/Q baseband data after the main filter and AGC instead of compressed audio. 8 bits should be more than sufficient since it is after the AGC maybe even 4.

This will allow up to 2kHz BW and still only consume 32kbs of Internet BW. This should allow a custom client to decode just about any HF digital mode without the use of a sound card.

Unfortunately(fortunate for me :)) the Cloud's STM32F4 uC ram is about full so feature creep is pretty much limited to minor changes.

Again this only applies to the stand alone Cloud Internet Mode. If you put it in the normal I/Q mode then you can do all the normal high performance things using the PC's resources and a full featured program like SDR-Radio etc.

Moe

---In CloudSDR@yahoogroups.com <mailto:CloudSDR@yahoogroups.com> , <willis.mj@... <mailto:willis.mj@...> > wrote :

Excellent.

I wonder if it might be possible at some time in the future to implement digital demodulators at the server end? I can see phase info becoming lost over the internet and raw IQ might be a bit bandwidth heavy. BPSK, QPSK, OFDM, and so on. There is code for this in the Gnuradio project.

Mike

56. R: [CloudSDR] A question for Moe 2

Yahoo group: CloudSDR
Date: 2015-03-09 18:57:56 UTC
From: Giampiero Bernardini
Topic: 56 Message: 56
Attachments: 2 described; binary payloads are missing from this source WARC

No Moe, it is just a ground-grund question
I ask for a real easy and fast way to change frequency with keybord imput and, with easy and fast access to memories.
Sorry for my bad English
73
Giampiero

Da: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Inviato: lunedì 9 marzo 2015 18:37
A: CloudSDR@yahoogroups.com
Oggetto: [CloudSDR] Re: A question for Moe

Hi Giampiero,
Not exactly sure what a mask for direct frequency input is.
Do you mean a spectrum mask for determining if a signal's spectrum is above a specified limit say for monitoring broadcast signals?

Moe

---In CloudSDR@yahoogroups.com, <g.bernardini@avvenire.it> wrote :

Dear Moe,

I am an old user of your software with SDR-14 and SDR-IQ

Just question: with the remote SDR control it will be possible have mask in the principal windows for direct frequency input?

I’m looking forward for CloudSDR

Have a good SDR job with Peter

Ciao

Giampiero

Giampiero Bernardini

Milano, Italia

57. New file uploaded to CloudSDR

Yahoo group: CloudSDR
Date: 2015-03-14 15:12:13 UTC
From: CloudSDR@yahoogroups.com
Topic: 18 Message: 57

```
Hello,

This email message is a notification to let you know that
a file has been uploaded to the Files area of the CloudSDR
group.

File : /Cloud-IQ_0v1.pdf
Uploaded by : rfspace <rfspace@...>
Description : Preliminary Cloud-IQ info

You can access this file at the URL:
https://groups.yahoo.com/neo/groups/CloudSDR/files/Cloud-IQ_0v1.pdf

To learn more about file sharing for your group, please visit:
https://help.yahoo.com/kb/index?page=content&y=PROD_GRPS&locale=en_US&id=SLN15398

Regards,

rfspace <rfspace@...>
```

58. Cloud-IQ info & update

Yahoo group: CloudSDR
Date: 2015-03-14 15:30:31 UTC
From: rfspace@...
Topic: 58 Message: 58

Hi All,

I have uploaded preliminary information on the Cloud-IQ receiver to the files section of the group. This radio is a 0.009-56 MHz version of the CloudSDR without the higher frequency coverage, trigger and external reference inputs. It has very good performance and a lot of features. The price will be similar to the SDR-IQ. It includes all of the cloud based features of the CloudSDR. It also includes a serial port to control external radios.

The Cloud-IQ will be released first. We had to do this since the SDR-IQ is already out of production and the price is lower. Both the CloudSDR and Cloud-IQ have already passed FCC, CE and IC.

This morning we received the final PCB version of the Cloud-IQ. Once it is verified by building one unit by hand, it will go to production.

In the meantime, more functionality has been added to both cloud based radios. This week we added a RAW IQ mode. This is a remote mode where raw IQ data at 8 bits is taken after the built-in AGC and sent to the client. This mode is ideal for client side demodulation and cloud based direction finding, interferometry etc.

Last week we added built-in PSK31 demodulation. We have also added a second antenna port to the Cloud-IQ radio. This will allow the use of separate antennas for HF and 6 meters. This antenna switch is also selectable from the remote client. We also added a TCXO to the Cloud-IQ.

Soon, I will post an email to get a feel on the level of interest on the Cloud-IQ radio. This will help us plan for the different builds. We plan to build an initial batch of 100 units.

Pieter

59. Re: [CloudSDR] Cloud-IQ info & update

Yahoo group: CloudSDR
Date: 2015-03-14 16:28:13 UTC
From: MV Elttba
Topic: 58 Message: 59

Pieter
this is outstanding!

On Sat, Mar 14, 2015 at 8:30 AM, rfspace@... [CloudSDR] <
CloudSDR@yahoogroups.com> wrote:

>
>
> Hi All,
>
>
> I have uploaded preliminary information on the Cloud-IQ receiver to the
> files section of the group. This radio is a 0.009-56 MHz version of the
> CloudSDR without the higher frequency coverage, trigger and external
> reference inputs. It has very good performance and a lot of features. The
> price will be similar to the SDR-IQ. It includes all of the cloud based
> features of the CloudSDR. It also includes a serial port to control
> external radios.
>
>
> The Cloud-IQ will be released first. We had to do this since the SDR-IQ is
> already out of production and the price is lower. Both the CloudSDR and
> Cloud-IQ have already passed FCC, CE and IC.
>
>
> This morning we received the final PCB version of the Cloud-IQ. Once it is
> verified by building one unit by hand, it will go to production.
>
>
> In the meantime, more functionality has been added to both cloud based
> radios. This week we added a RAW IQ mode. This is a remote mode where raw
> IQ data at 8 bits is taken after the built-in AGC and sent to the client.
> This mode is ideal for client side demodulation and cloud based direction
> finding, interferometry etc.
>
>
> Last week we added built-in PSK31 demodulation. We have also added a
> second antenna port to the Cloud-IQ radio. This will allow the use of
> separate antennas for HF and 6 meters. This antenna switch is also
> selectable from the remote client. We also added a TCXO to the Cloud-IQ.
>
>
> Soon, I will post an email to get a feel on the level of interest on the
> Cloud-IQ radio. This will help us plan for the different builds. We plan to
> build an initial batch of 100 units.

```
>
>
> Pieter
>
>
>
>
>
```

60. RE: [CloudSDR] Cloud-IQ info & update

Yahoo group: CloudSDR
Date: 2015-03-14 17:55:49 UTC
From: Olof Lundberg
Topic: 58 Message: 60

Pieter,
Great news!
What is the difference between Cloud-IQ and CloudSDR? Bare board and boxed? Any more?
The two antenna ports – what is the difference between the “DS” and “tuner” ports??

At what level does the ADC clip say on the “DS” port with PGA off at 15MHz?

Is the spec for the remote server/client protocol published somewhere?
73 Olof G0CKV

From: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Sent: 14 March 2015 15:31
To: CloudSDR@yahoogroups.com
Subject: [CloudSDR] Cloud-IQ info & update

Hi All,

I have uploaded preliminary information on the Cloud-IQ receiver to the files section of the group. This radio is a 0.009-56 MHz version of the CloudSDR without the higher frequency coverage, trigger and external reference inputs. It has very good performance and a lot of features. The price will be similar to the SDR-IQ. It includes all of the cloud based features of the CloudSDR. It also includes a serial port to control external radios.

The Cloud-IQ will be released first. We had to do this since the SDR-IQ is already out of production and the price is lower. Both the CloudSDR and Cloud-IQ have already passed FCC, CE and IC.

This morning we received the final PCB version of the Cloud-IQ. Once it is verified by building one unit by hand, it will go to production.

In the meantime, more functionality has been added to both cloud based radios. This week we added a RAW IQ mode. This is a remote mode where raw IQ data at 8 bits is taken after the built-in AGC and sent to the client. This mode is ideal for client side demodulation and cloud based direction finding, interferometry etc.

Last week we added built-in PSK31 demodulation. We have also added a second antenna port to the Cloud-IQ radio. This will allow the use of separate antennas for HF and 6 meters. This antenna switch is also selectable from the remote client. We also added a TCXO to the Cloud-IQ.

Soon, I will post an email to get a feel on the level of interest on the Cloud-IQ radio. This will help us plan for the different builds. We plan to build an initial batch of 100 units.

Pieter

61. RE: [CloudSDR] Cloud-IQ info & update

Yahoo group: CloudSDR
Date: 2015-03-14 18:08:49 UTC
From: rfspace@...
Topic: 58 Message: 61

Olof,

This radio is a 0.009-56 MHz version of the CloudSDR without the higher frequency coverage, trigger and external reference inputs.

It is the size of the SDR-IQ. The CloudSDR is bigger.

Pieter

62. RE: [CloudSDR] Cloud-IQ info & update

Yahoo group: CloudSDR
Date: 2015-03-14 19:41:36 UTC
From: pd0psb@...
Topic: 58 Message: 62

Will the Cloud-IQ antenna ports both cover the entire range? (planning two directivity loops for LF to HF)

Just curious: how does the server handle power/wifi/network drop outs?
Does it have a polling interval? Auto reconnection to a listed network?

73
Paul
PD0PSB

63. RE: [CloudSDR] Cloud-IQ info & update

Yahoo group: CloudSDR
Date: 2015-03-14 21:04:46 UTC
From: rfspace@...
Topic: 58 Message: 63

Paul,

I think Moe wanted to have an Auto mode where you specify a frequency range for each antenna and the radio automatically switches to the right antenna. This makes it easy for a person that connects to your radio to not have to know which antenna is the correct one for that band. The client would allow selection for Ant1, Ant2 or Auto. The new description fields could be used to describe what is connected to antenna 1 or 2.

Pieter

64. RE: [CloudSDR] Cloud-IQ info & update

Yahoo group: CloudSDR
Date: 2015-03-14 21:21:56 UTC
From: rfspace@...
Topic: 58 Message: 64

Paul,

The radio connects to a directory server if you tell it to. It typically takes about 10-15 seconds after power up. If the radio gets totally disconnected, you just try to reconnect and it will restart. Nothing too complicated.

Pieter

65. Ethernet bandwidth requirements for CloudSDR/IQ,,,,,,,,,,

Yahoo group: CloudSDR
Date: 2015-03-15 02:08:26 UTC
From: daiche@...
Topic: 65 Message: 65

Hi Pieter,

Can you estimate the bandwidth required to run at 1.2Mhz/24 bits? I have an Afedri that uses 68Mbps to run at full 2Mhz bandwidth/12bits. I imagine the CloudSDR/IQ are higher bandwidth than that. I run across an N based WiFi network with no trouble on the Afedri, but it sounds like the CloudSDR/IQ might not work so well except on direct ethernet. Also, will either radio run SDR-Console V2 or HDSDR?

Dave Aichelman N7NZH Dewey, AZ

66. RE: [CloudSDR] Ethernet bandwidth requirements for CloudSDR/IQ,,,,,,,,,,

Yahoo group: CloudSDR
Date: 2015-03-15 11:31:09 UTC
From: Simon Brown
Topic: 65 Message: 66

Hi,

Multiply 1,200,000 (1.2MHz) * 24/8 (24 bits is 3 bytes) * 2 (I + Q) and you have 7.2 megabyte.

7.2 megabytes * 8 (bits per byte) + overheads gives 60 megabits / second.

Simon Brown G4ELI
http://v2.sdr-radio.com

From: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Sent: 15 March 2015 02:08
To: CloudSDR@yahoogroups.com
Subject: [CloudSDR] Ethernet bandwidth requirements for CloudSDR/IQ,,,,,,,,,,

Hi Pieter,

Can you estimate the bandwidth required to run at 1.2Mhz/24 bits? I have an Afedri that uses 68Mbps to run at full 2Mhz bandwidth/12bits. I imagine the CloudSDR/IQ are higher bandwidth than that. I run across an N based WiFi network with no trouble on the Afedri, but it sounds like the CloudSDR/IQ might not work so well except on direct ethernet. Also, will either radio run SDR-Console V2 or HDSDR?

Dave Aichelman N7NZH Dewey, AZ

67. New RemoteSdrClient v 1.11

Yahoo group: CloudSDR
Date: 2015-03-15 12:57:33 UTC
From: ae4jy@...
Topic: 67 Message: 67

Hi,
There's a new version of the client/server available for Mac and Windows. I've given up on Linux until they figure out how to deploy a Qt app with less than 500 command line steps ;(
http://sourceforge.net/projects/remotesdrclient/files/?source=navbar
http://sourceforge.net/projects/remotesdrclient/files/?source=navbar

I also updated the quickstart guide and interface specification document.

It adds the new Raw I/Q mode. It doesn't do much other than display the samples on an x-y plot to verify its operation. A more useful thing to do would be to send it out from the client as UDP network packets so an external application could take it and decode digital modes or other custom demodulation of the signal.

The maximum raw sample rate is 16ksps but that consumes over 300kbps of Internet BW depending on the spectrum rate so may be too much for a lot of ISP's(like mine).

One interesting thing to do is connect to one of the CloudSDR's (serial numbers starting with CL) and if they are GPS locked, one can tune to WWV and observer the phase shifts due to propagation. The rotation speed is the frequency error due to Doppler and can be a half a Hz or so. Sort of a very sensitive zero beat display.
Also after carefully tuning a strong PSK31 signal you can see its phase trajectory.

One must adjust the Demod BW manually according to the raw data rate. If you have a +-7500Hz BW and choose 500sps raw data rate you will have aliasing problems.

moe

68. Some pictures

Yahoo group: CloudSDR
Date: 2015-03-15 13:22:29 UTC
From: rfspace@...
Topic: 68 Message: 68
Attachments: 2 described; binary payloads are missing from this source WARC

Here are some pictures showing the size difference between the CloudSDR and the Cloud-IQ. The enclosure colors and panels are not final.

Pieter

69. Re: Ethernet bandwidth requirements for CloudSDR/IQ,,,,,,,,,,

Yahoo group: CloudSDR
Date: 2015-03-15 13:25:02 UTC
From: rfspace@...
Topic: 65 Message: 69

Dave,

The number is 58.98 Mb/s or 1.2288*24*2. In the Cloud mode, you get the waterfall and the demod and you only need around 150 kb/s.

Pieter

70. Re: [CloudSDR] Some pictures [2 Attachments]

Yahoo group: CloudSDR
Date: 2015-03-15 17:52:59 UTC
From: MV Elttba
Topic: 68 Message: 70

Nice Pieter!

On Sun, Mar 15, 2015 at 6:22 AM, rfspace@... [CloudSDR] <
CloudSDR@yahoogroups.com> wrote:

>
>
> Here are some pictures showing the size difference between the CloudSDR
> and the Cloud-IQ. The enclosure colors and panels are not final.
>
>
> Pieter
>
>
>
>

71. Re: [CloudSDR] New RemoteSdrClient v 1.11

Yahoo group: CloudSDR
Date: 2015-03-15 15:19:59 UTC
From: Andrea Lawendel
Topic: 67 Message: 71

Hi Moe,

What are system requirements under MacOS? Looks like it cannot be launched on 10.6.8.
Thank you very much!

Andy

On Sun, Mar 15, 2015 at 1:57 PM, ae4jy@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:

>
>
> Hi,
>
> There's a new version of the client/server available for Mac and Windows.
> I've given up on Linux until they figure out how to deploy a Qt app with
> less than 500 command line steps ;(
>
> http://sourceforge.net/projects/remotesdrclient/files/?source=navbar
>
>
> I also updated the quickstart guide and interface specification document.
>
>
> It adds the new Raw I/Q mode. It doesn't do much other than display the
> samples on an x-y plot to verify its operation. A more useful thing to do
> would be to send it out from the client as UDP network packets so an
> external application could take it and decode digital modes or other custom
> demodulation of the signal.
>
> The maximum raw sample rate is 16ksps but that consumes over 300kbps of
> Internet BW depending on the spectrum rate so may be too much for a lot of
> ISP's(like mine).
>
>
> One interesting thing to do is connect to one of the CloudSDR's (serial
> numbers starting with CL) and if they are GPS locked, one can tune to WWV
> and observer the phase shifts due to propagation. The rotation speed is the
> frequency error due to Doppler and can be a half a Hz or so. Sort of a
> very sensitive zero beat display.
>
> Also after carefully tuning a strong PSK31 signal you can see its phase
> trajectory.
>
>

> One must adjust the Demod BW manually according to the raw data rate. If
> you have a +-7500Hz BW and choose 500sps raw data rate you will have
> aliasing problems.
>
>
> moe
>
>
>

72. Re: [CloudSDR] New RemoteSdrClient v 1.11

Yahoo group: CloudSDR
Date: 2015-03-15 19:22:02 UTC
From: pd0psb@...
Topic: 67 Message: 72

Noticed this also, Andy.

Since v1.10 only OSX Yosemite seems to run.
Up till around sdrclient v1.08 ran fine on Lion and older.

73
Paul
PD0PSB

73. AW: [CloudSDR] New RemoteSdrClient v 1.11

Yahoo group: CloudSDR
Date: 2015-03-15 18:55:33 UTC
From: Nils Schiffhauer
Topic: 67 Message: 73
Attachments: 1 described; binary payloads are missing from this source WARC

... thanks, Moe, tried it out, works fine!

You can really see the deviation of most HF broadcasters in the RAW IQ mode. It's fascinating!

Also the PSK-demodulator is fine and sensitive.

I even managed to see the 2-PSK, see screenshot.

Great, thanks again!

73 Nils

Von: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Gesendet: Sonntag, 15. März 2015 12:58
An: CloudSDR@yahoogroups.com
Betreff: [CloudSDR] New RemoteSdrClient v 1.11

Hi,

There's a new version of the client/server available for Mac and Windows. I've given up on Linux until they figure out how to deploy a Qt app with less than 500 command line steps ;(

http://sourceforge.net/projects/remotesdrclient/files/?source=navbar

I also updated the quickstart guide and interface specification document.

It adds the new Raw I/Q mode. It doesn't do much other than display the samples on an x-y plot to verify its operation. A more useful thing to do would be to send it out from the client as UDP network packets so an external application could take it and decode digital modes or other custom demodulation of the signal.

The maximum raw sample rate is 16ksps but that consumes over 300kbps of Internet BW depending on the spectrum rate so may be too much for a lot of ISP's(like mine).

One interesting thing to do is connect to one of the CloudSDR's (serial numbers starting with CL) and if they are GPS locked, one can tune to WWV and observer the phase shifts due to propagation. The rotation speed is the frequency error due to Doppler and can be a half a Hz or so. Sort of a very sensitive zero beat display.

Also after carefully tuning a strong PSK31 signal you can see its phase trajectory.

One must adjust the Demod BW manually according to the raw data rate. If you have a +-7500Hz BW and choose 500sps raw data rate you will have aliasing problems.

moe

74. Re: [CloudSDR] New RemoteSdrClient v 1.11

Yahoo group: CloudSDR
Date: 2015-03-15 20:02:30 UTC
From: ae4jy@...
Topic: 67 Message: 74

Hi Andy,
I only have osx10.9.5 to compile and test with. I'm not a mac person so don't know what the differences in versions is. It's all open source so someone could compile for whatever version they have. Too bad Apple doesn't care about backwards compatibility. As much as I hate Windows at least stuff compiled with Win8 will still run on XP.

moe

---In CloudSDR@yahoogroups.com, <lawendel@gmail.com> wrote :

Hi Moe,

What are system requirements under MacOS? Looks like it cannot be launched on 10.6.8.
Thank you very much!

Andy

75. Re: [CloudSDR] New RemoteSdrClient v 1.11

Yahoo group: CloudSDR
Date: 2015-03-15 20:13:03 UTC
From: Andrea Lawendel
Topic: 67 Message: 75

Thank you, I'll try and upgrade, one can presume it works on 10.8 minimum.
Excellent job, anyway!

Andy

On Sun, Mar 15, 2015 at 9:02 PM, ae4jy@... [CloudSDR] <
CloudSDR@yahoogroups.com> wrote:

>
>
>
> Hi Andy,
> I only have osx10.9.5 to compile and test with. I'm not a mac person so
> don't know what the differences in versions is. It's all open source so
> someone could compile for whatever version they have. Too bad Apple doesn't
> care about backwards compatibility. As much as I hate Windows at least
> stuff compiled with Win8 will still run on XP.
>
> moe
>
>
> ---In CloudSDR@yahoogroups.com, <lawendel@...> wrote :
>
> Hi Moe,
>
> What are system requirements under MacOS? Looks like it cannot be launched
> on 10.6.8.
> Thank you very much!
>
> Andy
>
>
>
>

76. Re: [CloudSDR] New RemoteSdrClient v 1.11

Yahoo group: CloudSDR
Date: 2015-03-15 20:16:51 UTC
From: Andrea Lawendel
Topic: 67 Message: 76

Yeah. In the past, Apple was much, much better at backward compatibiliy (putting aside what they did when Classic emulation was sacked). I can understand that's not as much as a priority since people can upgrade for free, problem is I should upgrade my hardware as well!

Andy

On Sun, Mar 15, 2015 at 8:22 PM, pd0psb@... [CloudSDR] <
CloudSDR@yahoogroups.com> wrote:

>
>
> Noticed this also, Andy.
>
> Since v1.10 only OSX Yosemite seems to run.
> Up till around sdrclient v1.08 ran fine on Lion and older.
>
> 73
> Paul
> PD0PSB
>
>
>
>

77. SDF-xx Server V2.44 with RemoteSdrClient 1.11

Yahoo group: CloudSDR
Date: 2015-03-15 23:47:28 UTC
From: radiosky@...
Topic: 77 Message: 77

Sorry ..Old Newbie here..

I have SDF-xx Server V2.44 running on a Win7 PC with a SDR-14. I want to connect from a Xp Laptop on my LAN. Can I use RemoteSdrClient 1.11 to do this? When I try, it says I am connected in the SDR-xx Server window, but RemoteSdrClient 1.11 just sits there saying Trying to Connect with the Connecting Button in a greyed state. Perhaps these are not compatible. The RemoteSdrServer does not recognize the SDR-14. Am I just out of luck, ??

78. Re: SDF-xx Server V2.44 with RemoteSdrClient 1.11

Yahoo group: CloudSDR
Date: 2015-03-16 12:20:04 UTC
From: ae4jy@...
Topic: 77 Message: 78

Hi,
The SDR-14 should work fine on your LAN with the SDRxxServer and Spectravue, just change the setup from USB to network in SV.

It will not work with the RemoteSdrClient and RemoteSdrServer as it is a somewhat different protocol designed for low BW Internet applications.

If there is enough demand I could probably add SDR-14 support to the RemoteSdrServer. The SDR-14 doesn't have enough memory in its little PIC processor to hold all the filters so requires the PC application to load everything each time the BW is changed.

Moe.

---In CloudSDR@yahoogroups.com, <radiosky@radiosky.com> wrote :

Sorry ..Old Newbie here..

I have SDF-xx Server V2.44 running on a Win7 PC with a SDR-14. I want to connect from a Xp Laptop on my LAN. Can I use RemoteSdrClient 1.11 to do this? When I try, it says I am connected in the SDR-xx Server window, but RemoteSdrClient 1.11 just sits there saying Trying to Connect with the Connecting Button in a greyed state. Perhaps these are not compatible. The RemoteSdrServer does not recognize the SDR-14. Am I just out of luck, ??

79. Re: [CloudSDR] Re: SDF-xx Server V2.44 with RemoteSdrClient 1.11

Yahoo group: CloudSDR
Date: 2015-03-16 15:32:49 UTC
From: Jim Sky
Topic: 77 Message: 79

Thanks Moe,

I believe Spectravue will be just fine for what I want to do. I doubt
if there are enough SDR-14 owners out here doing this kind of thing to
warrant the work of adding the capability for the other programs.

Jim

On 3/16/2015 8:20 AM, ae4jy@... [CloudSDR] wrote:
> Hi,
> The SDR-14 should work fine on your LAN with the SDRxxServer and
> Spectravue, just change the setup from USB to network in SV.
>
> It will not work with the RemoteSdrClient and RemoteSdrServer as it is
> a somewhat different protocol designed for low BW Internet applications.
>
> If there is enough demand I could probably add SDR-14 support to the
> RemoteSdrServer. The SDR-14 doesn't have enough memory in its little
> PIC processor to hold all the filters so requires the PC application
> to load everything each time the BW is changed.
>
> Moe.
>
> ---In CloudSDR@yahoogroups.com, <radiosky@...> wrote :
>
> Sorry ..Old Newbie here..
>
>
> I have SDF-xx Server V2.44 running on a Win7 PC with a SDR-14. I want
> to connect from a Xp Laptop on my LAN. Can I use RemoteSdrClient
> 1.11 to do this? When I try, it says I am connected in the SDR-xx
> Server window, but RemoteSdrClient 1.11 just sits there saying Trying
> to Connect with the Connecting Button in a greyed state. Perhaps these
> are not compatible. The RemoteSdrServer does not recognize the SDR-14.
> Am I just out of luck, ??
>
>
>

80. CloudIQ - When ready for sale?

Yahoo group: CloudSDR
Date: 2015-03-28 17:49:58 UTC
From: daiche@...
Topic: 80 Message: 80

Any further word on when the new IQ will be for sale?

Dave Aichelman N7NZH Dewey, AZ

81. Re: New RemoteSdrClient v 1.11

Yahoo group: CloudSDR
Date: 2015-04-03 09:00:17 UTC
From: oz9aec@...
Topic: 67 Message: 81

Hi Moe,

I have packaged the client for Ubuntu 14.04, 14.10 and 15.04. It is available through Ubuntu Launchpad where the packages are built:
https://launchpad.net/~alexc/+archive/ubuntu/sdr/+packages
https://launchpad.net/~alexc/+archive/ubuntu/sdr/+packages

The easiest way to install is to type the following in a terminal:

```
sudo apt-add-repository ppa:alexc/sdr

sudo apt-get update
sudo apt-get install remotesdrclient
```

The packages should also show up in the software center and various graphical package managers after the repository has been added. Future updates will show up together with other software updates.

Alternatively, specific binary and source packages can be downloaded through the "View package details" link on the page.

I hope it is useful and feedback is welcome.

I may look into generic packaging later, but I think for now this should cover the majority of Linux users who don't know how to build the client from source.

73
Alex OZ9AEC

---In CloudSDR@yahoogroups.com, <ae4jy@...> wrote :

Hi,
There's a new version of the client/server available for Mac and Windows. I've given up on Linux until they figure out how to deploy a Qt app with less than 500 command line steps ;(
http://sourceforge.net/projects/remotesdrclient/files/?source=navbar
http://sourceforge.net/projects/remotesdrclient/files/?source=navbar

I also updated the quickstart guide and interface specification document.

It adds the new Raw I/Q mode. It doesn't do much other than display the samples on an x-y plot to verify its operation. A more useful thing to do would be to send it out from the client as UDP network packets so an external application could take it and decode digital modes or other custom demodulation of the signal.

The maximum raw sample rate is 16ksps but that consumes over 300kbps of Internet BW depending on the spectrum rate so may be too much for a lot of ISP's(like mine).

One interesting thing to do is connect to one of the CloudSDR's (serial numbers starting with CL) and if they are GPS locked, one can tune to WWV and observer the phase shifts due

to propagation. The rotation speed is the frequency error due to Doppler and can be a half a Hz or so. Sort of a very sensitive zero beat display.
Also after carefully tuning a strong PSK31 signal you can see its phase trajectory.

One must adjust the Demod BW manually according to the raw data rate. If you have a +-7500Hz BW and choose 500sps raw data rate you will have aliasing problems.

moe

82. VNA feature in CloudSDR firmware?

Yahoo group: CloudSDR
Date: 2015-04-05 11:08:50 UTC
From: Conor Conran
Topic: 82 Message: 82

The spec of this radio looks very interesting. Some weeks ago somebody on the group mentioned that the full-featured CloudSDR model might also include a low power TX output port?

If so, then it might be possible to use the CloudSDR as a VNA or antenna analyser (in conjunction with an external directional coupler or VSWR bridge).

Do you have any plans to implement a VNA feature in the CloudSDR firmware? (Something similar to Phil Harman's VNA software for the TAPR Hermes: http://openhpsdr.org/wiki/index.php?title=VNA).

Best regards,
Conor

83. New RemoteSDRclient for CloudSDR and Cloud-IQ radios

Yahoo group: CloudSDR
Date: 2015-04-05 15:23:43 UTC
From: rfspace@...
Topic: 83 Message: 83

Hi All,

Due to some proprietary features that will be added in the future, we've had to make some changes to the protocol used in the client/server/hardware etc. The latest versions of the client will be posted on the RFSPACE and SDRanywhere webpages going forward. The current version of windows and mac client is located here:

www.rfspace.com/RFSPACE/SDRanywhere_files/RemoteSdrClientWinSetup_113.exe
http://www.rfspace.com/RFSPACE/SDRanywhere_files/RemoteSdrClientWinSetup_113.exe

www.rfspace.com/RFSPACE/SDRanywhere_files/RemoteSdrClient113.dmg
http://www.rfspace.com/RFSPACE/SDRanywhere_files/RemoteSdrClient113.dmg

We've also added some longer text fields to the descriptions in anticipation to some future upgrades to the CloudSDR directory server. The latest client will be required to access the CloudSDR/IQ radios. If you have an SDR-IQ online, please upgrade your servers since the current version of the client no longer works with old versions.

Pieter

84. Re: New RemoteSDRclient for CloudSDR and Cloud-IQ radios

Yahoo group: CloudSDR
Date: 2015-04-06 04:56:08 UTC
From: mde.jackson@...
Topic: 83 Message: 84

I can't seem to download anything from the RFSpace web site at the moment. The link to the Windows iteration stalls after 0.5Mb and trying to download a PDF from the CloudSDR or CloudIQ pages stops after one quarter of the bar display.

85. New cloud list server enabled

Yahoo group: CloudSDR
Date: 2015-04-08 21:25:36 UTC
From: ae4jy@...
Topic: 85 Message: 85

I got rid of the "beta" listserver so everyone should just use the original urls and hopefully it will all be up to date.

for the client use the default path:
/cgi-bin/getentries.py

for the server the path is:
/cgi-bin/putentry.py

The web browser list is:
http://moetronix.com/cgi-bin/sdrweb.py http://moetronix.com/cgi-bin/sdrweb.py

The new fields contain the last client connected. If you don't enter a name in the client it just displays the client's IP address.

The other optional field can be used to enter a URL to your web page where maybe you can have more information on your station etc.

Moe

86. RE: [CloudSDR] New cloud list server enabled

Yahoo group: CloudSDR
Date: 2015-04-09 04:45:20 UTC
From: Odd-Jorgen Sagdahl
Topic: 85 Message: 86

Hi Moe,

Works well! Can you include the client name in the log file on the server side as well? I’d like to keep the IP address and add the client name as an extra field in the log file.

73 de OJS

From: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Sent: 8. april 2015 23:26
To: CloudSDR@yahoogroups.com
Subject: [CloudSDR] New cloud list server enabled

I got rid of the "beta" listserver so everyone should just use the original urls and hopefully it will all be up to date.

for the client use the default path:

/cgi-bin/getentries.py

for the server the path is:

/cgi-bin/putentry.py

The web browser list is:

http://moetronix.com/cgi-bin/sdrweb.py

The new fields contain the last client connected. If you don't enter a name in the client it just displays the client's IP address.

The other optional field can be used to enter a URL to your web page where maybe you can have more information on your station etc.

Moe

87. Bug fix RemoteSdrClient 1.14

Yahoo group: CloudSDR
Date: 2015-04-10 18:58:58 UTC
From: ae4jy@...
Topic: 87 Message: 87

I fixed a bug in the client where it wasn't always showing all the servers.
I made a temporary download page here until we can get it all on the RFSPACE site.

http://moetronix.com/remotesdrclient.html http://moetronix.com/remotesdrclient.html

moe

88. [Cloud-IQ] update, availability etc

Yahoo group: CloudSDR
Date: 2015-04-14 02:13:30 UTC
From: rfspace@...
Topic: 88 Message: 88

Hello all,

It has been a few weeks since we updated the group on the status of the Cloud-IQ receiver. Last month we tested both the CloudSDR and Cloud-IQ radios for FCC, IC and CE and we passed with no issues. In the next 10 days we will be building the first 106 boards at the factory. We will also be receiving the enclosures and shields around the same time. If all goes well, we hope to have the first complete units in mid May. We have dedicated several thousand man hours to the design, but the last few miles always seem the hardest. We really appreciate your patience.

The Cloud-IQ was designed as the successor to the SDR-IQ using newer technologies. The key differences are:

1. Wider frequency coverage up to 56 MHz instead of 30 MHz.
2. Higher dynamic range IQ data. 24 bit vs 16 bit.
3. More instantaneous IQ bandwidth. 1.288 MHz vs 0.190 MHz (6.5x)
4. Wide-band spectrum analyzer mode up to 56 MHz wide.
5. Two antenna ports.
6. Built-in low internet bandwidth server with no external computer needed.
7. Faster interface using ethernet.
8. Better frequency stability with a TCXO built-in.
9. Better sensitivity (5-15 dB)

We have tried really hard to keep the price point on par with the SDR-IQ, but there will be a slight increase. We will be offering the initial units at $549. We anticipate a price increase later this year

If you are interested in the Cloud-IQ, please send an email to info(at)rfspace.com with [CLOUD-IQ] in the subject line. There is absolutely no obligation and we will contact each one of you in the order that the emails were received.

We plan to post better pictures and any changes to the specification (if any) as soon as possible. The spec sheet in the file section is still current.

Best Regards,

The RFSPACE Team.

89. Re: [Cloud-IQ] update, availability etc

Yahoo group: CloudSDR
Date: 2015-04-14 03:05:20 UTC
From: charlesh3@...
Topic: 88 Message: 89

Moe & Pieter -

Does the new client have all the file recording features a la SpectraVue? I couldn't find a featuresl ist for the client.

Thanks,
Chuck

90. RE: [CloudSDR] [Cloud-IQ] update, availability etc

Yahoo group: CloudSDR
Date: 2015-04-14 09:58:22 UTC
From: Edward H Russell
Topic: 88 Message: 90

Great specs. Are there plans to update the CW Skimmer interface?

73 Ed w2rf

From: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Sent: Monday, April 13, 2015 10:14 PM
To: CloudSDR@...m

Subject: [CloudSDR] [Cloud-IQ] update, availability etc

Hello all,

It has been a few weeks since we updated the group on the status of the Cloud-IQ receiver. Last month we tested both the CloudSDR and Cloud-IQ radios for FCC, IC and CE and we passed with no issues. In the next 10 days we will be building the first 106 boards at the factory. We will also be receiving the enclosures and shields around the same time. If all goes well, we hope to have the first complete units in mid May. We have dedicated several thousand man hours to the design, but the last few miles always seem the hardest. We really appreciate your patience.

The Cloud-IQ was designed as the successor to the SDR-IQ using newer technologies. The key differences are:

1. Wider frequency coverage up to 56 MHz instead of 30 MHz.

2. Higher dynamic range IQ data. 24 bit vs 16 bit.

3. More instantaneous IQ bandwidth. 1.288 MHz vs 0.190 MHz (6.5x)

4. Wide-band spectrum analyzer mode up to 56 MHz wide.

5. Two antenna ports.

6. Built-in low internet bandwidth server with no external computer needed.

7. Faster interface using ethernet.

8. Better frequency stability with a TCXO built-in.

9. Better sensitivity (5-15 dB)

We have tried really hard to keep the price point on par with the SDR-IQ, but there will be a slight increase. We will be offering the initial units at $549. We anticipate a price increase later this year

If you are interested in the Cloud-IQ, please send an email to info(at)rfspace.com with [CLOUD-IQ] in the subject line. There is absolutely no obligation and we will contact each one of you in the order that the emails were received.

We plan to post better pictures and any changes to the specification (if any) as soon as possible. The spec sheet in the file section is still current.

Best Regards,

The RFSPACE Team.

91. Re: [Cloud-IQ] update, availability etc

Yahoo group: CloudSDR
Date: 2015-04-14 11:07:58 UTC
From: cmhforums@...
Topic: 88 Message: 91

Can you give us an idea when the CloudSDR will be available? Looking forward to getting a unit with both HF and VHF/UHF. Thanks. This unit looks impressive!

92. Re: [Cloud-IQ] update, availability etc

Yahoo group: CloudSDR
Date: 2015-04-15 16:42:18 UTC
From: Tapio Valli
Topic: 88 Message: 92

Yes, I second that; availability estimate for CloudSDR would be interesting when deciding between CloudIQ and CloudSDR.

93. Re: [Cloud-IQ] update, availability etc

Yahoo group: CloudSDR
Date: 2015-04-16 20:03:16 UTC
From: ae4jy@...
Topic: 88 Message: 93

Hi Chuck, No the PC client does not have any recording features since only audio data is sent across the Internet, not the raw I/Q data that Spectravue processes directly from the radio.
The Android client does have the ability to record the demod audio.

I'll copy from a previous post for maybe some who have just joined the group.
The Cloud-xx has two basic modes of operations.
1. "I/Q" mode where it is very similar to the other RFSpace SDR's in that it just supplies the raw I/Q data stream and all the display,demod,etc is done using a PC program like SV, SDR-Radio, or whatever. In this mode the maximum continuous BW is 1MHz usable for demod and file saving. Like the old SDR-14 it also has discontinuous modes where it can be used for spectrum viewing only(no demod) up to 56MHz wide.

2.The "Cloud" mode is a remote operation mode where the Cloud-xx does all the spectrum and demodulation processing and just sends a compressed audio and "spectrum video" data stream to a minimalist client that just displays the spectrum data and sends the audio to the sound device. This mode is useful for going over the Internet due to its much lower data rates.
In this mode the Cloud-xx has essentially 2 separate receivers tuned to the same center frequency. One is used only to capture spectrum for viewing and is not continuous but can be adjusted from 1000Hz BW to 10MHz BW independent of the second receiver which is used for demodulation and runs at much lower sample rate.

There is a setup program for the Cloud-xx radios that is used for selecting which mode of operation to be in as well as IP address Port number etc etc.

Moe

94. Re: [Cloud-IQ] update, availability etc

Yahoo group: CloudSDR
Date: 2015-04-17 05:34:27 UTC
From: bjarnemjelde@...
Topic: 88 Message: 94

Moe, I understand from your latest post that the full MW band will not be covered on any of the Cloud SDRs, is this correct?

Bjarne Mjelde
arcticdx.blogspot.com

95. Re: [CloudSDR] Re: [Cloud-IQ] update, availability etc

Yahoo group: CloudSDR
Date: 2015-04-16 20:36:18 UTC
From: Jim Davey
Topic: 88 Message: 95

Hi Moe:

Not sure if I am asking this question correctly□when SV demodulates the audio locally (not over the remote server) and I connect it to another application, say an audio FFT program like Argo, or something like WSPR, what is the bit depth of the audio? Does it matter with the CloudIQ that the IQ samples will be increased to 24 bit/sample, or does the demodulated audio still have the same dynamic range as before? In other words, for use cases where the audio is the link, will the new Cloud SDRs result in improved performance with the weakest signals?

If I use an audio cross connect like Virtual Audio Cable, which says it can route an audio signal up to 32 bits/sample, will I have higher dynamic range with the new CloudIQ if the final audio processing application can handle higher bits/sample? Does anyone on this group know whether SpectrumLab is better in this regard than Argo, for instance? Or where any of the WSPR variants stand in comparison?

Jim K8RZ

From: "ae4jy@... [CloudSDR]" <CloudSDR@yahoogroups.com>
Reply-To: <CloudSDR@yahoogroups.com>
Date: 16 Apr 2015 13:03:16 -0700
To: <CloudSDR@yahoogroups.com>
Subject: [CloudSDR] Re: [Cloud-IQ] update, availability etc

Hi Chuck,

No the PC client does not have any recording features since only audio data is sent across the Internet, not the raw I/Q data that Spectravue processes directly from the radio.
The Android client does have the ability to record the demod audio.

I'll copy from a previous post for maybe some who have just joined the group.
The Cloud-xx has two basic modes of operations.
1. "I/Q" mode where it is very similar to the other RFSpace SDR's in that it just supplies the raw I/Q data stream and all the display,demod,etc is done using a PC program like SV, SDR-Radio, or whatever. In this mode the maximum continuous BW is 1MHz usable for demod and file saving. Like the old SDR-14 it also has discontinuous modes where it can be used for spectrum viewing only(no demod) up to 56MHz wide.

2.The "Cloud" mode is a remote operation mode where the Cloud-xx does all the spectrum and demodulation processing and just sends a compressed audio and "spectrum video" data stream to a minimalist client that just displays the spectrum data and sends the audio to the sound device. This mode is

useful for going over the Internet due to its much lower data rates.
In this mode the Cloud-xx has essentially 2 separate receivers tuned to the

same center frequency. One is used only to capture spectrum for viewing and is not continuous but can be adjusted from 1000Hz BW to 10MHz BW independent of the second receiver which is used for demodulation and runs at much lower sample rate.

There is a setup program for the Cloud-xx radios that is used for selecting which mode of operation to be in as well as IP address Port number etc etc.

Moe

96. Re: [Cloud-IQ] update, availability etc

Yahoo group: CloudSDR
Date: 2015-04-17 11:16:49 UTC
From: ae4jy@...
Topic: 88 Message: 96

Hi Bjarne,

For both radios the maximum I/Q recording sample rate is 1.28Msps of 24 bit data. The usable(flat) BW is 1MHz as the alias filters drop off quickly past 1MHz.
For non-IQrecording(just looking at) spectrum, they can display up to 54MHz of spectrum.
The CloudSDR in the VHF/UHF range is limited to about 10MHz BW for spectrum display.

It is possible in the future we can implement a 16 bit I/Q mode and get maybe 1.5MHz BW but for now we need to stop feature creep and get it out the door:)

Moe

---In CloudSDR@yahoogroups.com, <bjarnemjelde@yahoo.co.uk> wrote :

Moe, I understand from your latest post that the full MW band will not be covered on any of the Cloud SDRs, is this correct?

Bjarne Mjelde
arcticdx.blogspot.com

97. Re: [CloudSDR] Re: [Cloud-IQ] update, availability etc

Yahoo group: CloudSDR
Date: 2015-04-17 11:56:14 UTC
From: ae4jy@...
Topic: 88 Message: 97

Hi Jim, In SV the demod sound audio is fixed 16 bits.
The 24 bits of the cloud radios only helps the dynamic range before demod and eliminates that funky "IF Gain" control of the SDR-14 and SDR-IQ to keep from overflowing bits with strong signals.
As soon as the I/Q data enters SV(and probably all other programs) it is converted to double precision floating point for spectrum and demod. The demod audio is then converted back to 16 bits for the sound card.

Since demod uses AGC, the dynamic range of the audio is not very much and probably 8 bits would suffice.

Ultimately sensitivity is still mostly a function of the receiver noise figure which is set by the pre-amp/filters of the radio and A/D bits. The real world is still analog!

Moe

---In CloudSDR@yahoogroups.com, <k8rz@etcmail.com> wrote :

Hi Moe:

Not sure if I am asking this question correctly…when SV demodulates the audio locally (not over the remote server) and I connect it to another application, say an audio FFT program like Argo, or something like WSPR, what is the bit depth of the audio? Does it matter with the CloudIQ that the IQ samples will be increased to 24 bit/sample, or does the demodulated audio still have the same dynamic range as before? In other words, for use cases where the audio is the link, will the new Cloud SDRs result in improved performance with the weakest signals?

If I use an audio cross connect like Virtual Audio Cable, which says it can route an audio signal up to 32 bits/sample, will I have higher dynamic range with the new CloudIQ if the final audio processing application can handle higher bits/sample? Does anyone on this group know whether SpectrumLab is better in this regard than Argo, for instance? Or where any of the WSPR variants stand in comparison?

Jim K8RZ

98. Re: [Cloud-IQ] update, availability etc

Yahoo group: CloudSDR
Date: 2015-04-17 12:10:03 UTC
From: bjarnemjelde@...
Topic: 88 Message: 98

Thanks Moe, a similar approach to that of the NetSDR would be most welcome.

Bjarne

99. Re: [CloudSDR] Re: [Cloud-IQ] update, availability etc

Yahoo group: CloudSDR
Date: 2015-04-17 12:46:58 UTC
From: k8rz@...
Topic: 88 Message: 99

Thanks Moe. That helps me to understand the innerworkings of the hardware and software and gives me some ideas of how to cope with one strong signal within the WSPR passband, for instance. And hasn't the MDS of the Cloud IQ been improved over the SDR-IQ if I understand the preliminary data sheet correctly? The 40m noise figure of my SDR-IQ is about 20 dB based on careful calibration and a NPD calculation based on the RMS S-meter value. Has NF been significantly lowered on the Cloud series?

Jim

100. SDRanywhere Android uploaded

Yahoo group: CloudSDR
Date: 2015-04-23 11:09:13 UTC
From: rfspace@...
Topic: 100 Message: 100

The latest version of SDRanywhere has been uploaded to

http://www.rfspace.com/RFSPACE/SDRanywhere_files/SDRanywhere.apk
http://www.rfspace.com/RFSPACE/SDRanywhere_files/SDRanywhere.apk

Pieter

101. Cloud-SDR

Yahoo group: CloudSDR
Date: 2015-04-23 21:14:46 UTC
From: jlmetcalfe@...
Topic: 101 Message: 101

How far behind the first production release of the Cloud-IQ is the Cloud-SDR? I think I'm more interested in that receiver than the IQ.

Thanks,

J.L. Metcalfe

102. Re: [CloudSDR] Cloud-SDR

Yahoo group: CloudSDR
Date: 2015-04-25 12:15:44 UTC
From: RFSPACE
Topic: 101 Message: 102

Looks like it will be 3-4 months. We might be able to get a small build in, but it depends on how smooth the Cloud-IQ launch is.

Pieter

Sent from my SDR

> On Apr 23, 2015, at 5:14 PM, jlmetcalfe@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
> How far behind the first production release of the Cloud-IQ is the Cloud-SDR? I think I'm more interested in that receiver than the IQ.
>
>
>
> Thanks,
>
>
>
> J.L. Metcalfe
>
>

103. Cloud-SDR

Yahoo group: CloudSDR
Date: 2015-04-24 21:11:38 UTC
From: jlmetcalfe@...
Topic: 101 Message: 103

Is there any update on when the Cloud-SDR will be available for purchase? I think I'm more interested in that version, than the IQ.

Jack Metcalfe

104. Cloud-IQ RF Range

Yahoo group: CloudSDR
Date: 2015-05-03 22:33:17 UTC
From: mde.jackson@...
Topic: 104 Message: 104

Is it possible that sampling at a frequency higher than 56MHz will be possible, i.e out of spec range? VHF Airband?

Thanks,
Michael
New Zealand
hfaero.com

105. Re: Cloud-IQ RF Range

Yahoo group: CloudSDR
Date: 2015-05-05 10:06:52 UTC
From: ae4jy@...
Topic: 104 Message: 105

Hi Michael, Unlike some of the other direct sampling SDR's, this one has a very sharp anti alias filter in front of the preamp to keep out FM broadcast etc so there is no sensitivity above 60MHz or so.

Cheers,
Moe ae4jy

---In CloudSDR@yahoogroups.com, <mde.jackson@outlook.com> wrote :

Is it possible that sampling at a frequency higher than 56MHz will be possible, i.e out of spec range? VHF Airband?

Thanks,
Michael
New Zealand
hfaero.com

106. Latest SpectraVue 3.33 uploaded

Yahoo group: CloudSDR
Date: 2015-05-06 02:04:37 UTC
From: rfspace@...
Topic: 106 Message: 106

SpectraVue™ License Agreement http://www.rfspace.com/RFSPACE/SVDownload.html

SpectraVue™ License Agreement http://www.rfspace.com/RFSPACE/SVDownload.html END USER LICENSE AGREEMENT for RFSPACE Inc. SpectraVue®

View on www.rfspace.com http://www.rfspace.com/RFSPACE/SVDownload.html
Preview by Yahoo

107. Etrhernet > Wifi

Yahoo group: CloudSDR
Date: 2015-05-06 15:37:35 UTC
From: pd0psb@...
Topic: 107 Message: 107

Since the Cloud-IQ seems very tiny I would like to add a compact ethernet-wifi solution to make it (galvanically) standalone.

Any hints in this group for a (really) small ethernet-wifi adapter preferably sharing the Cloud-IQ's 5V DC?

73
Paul

108. Re: [CloudSDR] Etrhernet > Wifi

Yahoo group: CloudSDR
Date: 2015-05-06 20:16:26 UTC
From: Jim Davey
Topic: 107 Message: 108

For PnP solution, you can use a ³media bridge² which will look like a WiFi client back to your wireless access point. Some are quite small, but have not seen one that is PoE, if that¹s what you mean. Don¹t think the Cloud IQ supplies PoE on the ethernet port anyway. So the bridge would need its own power source.

Here is an example, perhaps not the smallest:
http://www.amazon.com/Linksys-Wireless-AC-Universal-Connector-WUMC710/dp/B0090DX8O8/ref=sr_1_1?ie=UTF8&qid=1430943046&sr=8-1&keywords=wireless+media+bridge

73, Jim

From: "pd0psb@... [CloudSDR]" <CloudSDR@yahoogroups.com>
Reply-To: <CloudSDR@yahoogroups.com>
Date: 06 May 2015 08:37:35 -0700
To: <CloudSDR@yahoogroups.com>
Subject: [CloudSDR] Etrhernet > Wifi

Since the Cloud-IQ seems very tiny I would like to add a compact ethernet-wifi solution to make it (galvanically) standalone.

Any hints in this group for a (really) small ethernet-wifi adapter preferably sharing the Cloud-IQ's 5V DC?

73
Paul

109. SDRanywhere updated

Yahoo group: CloudSDR
Date: 2015-05-12 03:09:18 UTC
From: rfspace@...
Topic: 5 Message: 109

The latest version of SDRanywhere android application has been uploaded to the server. This beta expires on July 1st. It fixes crashing that was reported on several versions on Android. Please let me know if it works for you.

Thanks,

Pieter

SDRanywhere http://sdranywhere.com/

SDRanywhere http://sdranywhere.com/ Operate RFSPACE SDRs anywhere in the world on your Android tablet, Windows, Linux or Mac OS

View on sdranywhere.com http://sdranywhere.com/
Preview by Yahoo

110. Step Sizes in RemoteSDR Client?

Yahoo group: CloudSDR
Date: 2015-05-21 15:51:30 UTC
From: scan-ne@...
Topic: 110 Message: 110

Hi,

Definite prospective buyer of CloudSDR when it becomes available. Am I missing something or is there a way to select the step size in the RemoteSDR Client software. I'm remoted into #6 and it works great, but in the UHF bands for example, the stepsize should be 6.25 or 12.5 KHz. I don't see a provision for changing this. Maybe the software is just in an early stage and this feature is not available yet. Or...maybe I'm a dummy and I'm missing something...a definite possibility! I tried searching the group but couldn't find an answer.

As a former SDR-14 and SDR-IQ owner I am definitely looking forward to an RFSpace product that has such wideband coverage.

Many thanks,

Scott

111. Re: [Cloud-IQ] update, availability etc

Yahoo group: CloudSDR
Date: 2015-05-24 03:36:32 UTC
From: gregella53@...
Topic: 88 Message: 111

Are any of the original 106 CloudIQ boards still available?

Greg Ella

AD0JP

112. Cloud-IQ update

Yahoo group: CloudSDR
Date: 2015-05-30 20:53:50 UTC
From: rfspace@...
Topic: 112 Message: 112
Attachments: 2 described; binary payloads are missing from this source WARC

These past two weeks have been very busy. We have updated the Cloud-IQ webpage with the latest information. This week we will start contacting the customers who showed interest in the Cloud-IQ initial batch. Please have patience since all of these radios will be shipped factory direct. We hope to have future builds distributed by HRO, Martin Lynch and a few other dealers across the globe.

In the meantime, please visit the Cloud-IQ webpage for the latest documentation and software:

http://www.rfspace.com/RFSPACE/CloudIQ.html http://www.rfspace.com/RFSPACE/CloudIQ.html

We will also be releasing a new version of SpectraVue that will fully support our newest radios.

Pieter

114. R: [CloudSDR] Re: Cloud-IQ update

Yahoo group: CloudSDR
Date: 2015-06-01 13:02:21 UTC
From: Giampiero Bernardini
Topic: 112 Message: 114
Attachments: 3 described; binary payloads are missing from this source WARC

Ciao Jack
So far I had no new info abot Cloud-IQ
I asked to be in the mailing list time ago
I think work is in progress
Giampiero

Giampiero Bernardini
Milano, Italy

Da: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Inviato: domenica 31 maggio 2015 02:36
A: CloudSDR@yahoogroups.com
Oggetto: [CloudSDR] Re: Cloud-IQ update

Pieter,

Will everyone on the initial email list be able to get a radio, or are we already looking at a waiting list?

Thanks,

Jack Metcalfe

115. Cloud-IQ Yahoo Group

Yahoo group: CloudSDR
Date: 2015-06-06 14:42:43 UTC
From: rfspace@...
Topic: 115 Message: 115

Hi All,

We've created a new Yahoo group dedicated to the Cloud-IQ receiver. The two receivers are very similar, but at the same time very different. It might be better to have separate groups for each.

Please join the group if interested. This link should work:

Cloud-IQ https://groups.yahoo.com/neo/groups/Cloud-IQ/info

https://groups.yahoo.com/neo/groups/Cloud-IQ/info

Cloud-IQ https://groups.yahoo.com/neo/groups/Cloud-IQ/info This is the official yahoo group for the @rfspace Cloud-IQ receiver. The Cloud-IQ covers 0.009 - 56 MHz and has a built-in low bandwidth internet server

View on groups.yahoo.com https://groups.yahoo.com/neo/groups/Cloud-IQ/info
Preview by Yahoo

116. Greetings! And Gqrx with cloud iq

Yahoo group: CloudSDR
Date: 2015-08-09 21:38:11 UTC
From: Shaun Vincent Hopkins
Topic: 116 Message: 116

Hi all,

Firstly hello to you all from me - new guy :-) I have a few sdr's, PCR1000, an IQ and a Perseus

Could anyone tell me if you have managed to successfully get GQRX (Mageia 5) working with the cloud IQ please? I can see it connect and stream to my laptop but then it locks up the GQRX software.

I have got SDR # under windows to work very well.

- What other linux software works?

- What other windows software work please?

73's

Hoppy (aka Shaun)

117. Re: [CloudSDR] Greetings! And Gqrx with cloud iq

Yahoo group: CloudSDR
Date: 2015-08-10 11:34:20 UTC
From: Alexandru Csete
Topic: 116 Message: 117

Hi Hoppy,

I have it working with gqrx (see screenshot: https://www.flickr.com/photos/csete/19529558034) and I have sent a patch for gnuradio. However, if you are using the gnuradio/gqrx packages provided by your distribution it may take a long time before the new packages will be available.

The reason why it is detected with old software is because the cloud-iq looks very similar to the NetSDR on the network.

Alex

On Sun, Aug 9, 2015 at 11:38 PM, 'Shaun Vincent Hopkins' zbz5@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:

>
>
> Hi all,
>
> Firstly hello to you all from me - new guy :-) I have a few sdr's,
> PCR1000, an IQ and a Perseus
>
> Could anyone tell me if you have managed to successfully get GQRX (Mageia
> 5) working with the cloud IQ please? I can see it connect and stream to my
> laptop but then it locks up the GQRX software.
>
> I have got SDR # under windows to work very well.
>
>
> 1. What other linux software works?
> 2. What other windows software work please?
>
>
> 73's
>
> Hoppy (aka Shaun)
>
>
>
>

118. Re: [CloudSDR] Greetings! And Gqrx with cloud iq

Yahoo group: CloudSDR
Date: 2015-08-10 17:28:16 UTC
From: Shaun Vincent Hopkins
Topic: 116 Message: 118

Hi Alex,

?

Thanks for the reply. I have used your updates (GIT I think) on OpenSuse 13.1 & 13.2. Is that the mod that has the RDS data as well? If it was I like the RDS option especially if I play with my other RTL/FCP dongles.

?

I'll try the OpenSuse PC.

?

thanks,

?

Hoppy
?
?

Sent:?Monday, August 10, 2015 at 12:34 PM
From:?"Alexandru Csete oz9aec@... [CloudSDR]"
To:?CloudSDR@yahoogroups.com
Subject:?Re: [CloudSDR] Greetings! And Gqrx with cloud iq

?

?

Hi Hoppy,
?

I have it working with gqrx (see screenshot: https://www.flickr.com/photos/csete/19529558034) and I have sent a patch for gnuradio. However, if you are using the gnuradio/gqrx packages provided by your distribution it may take a long time before the new packages will be available.
?

The reason why it is detected with old software is because the cloud-iq looks very similar to the NetSDR on the network.

?

Alex

?

?
On Sun, Aug 9, 2015 at 11:38 PM, 9;Shaun Vincent Hopkins' zbz5@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:

?

?

Hi all,

?

Firstly hello to you all from me - new guy :-) I have a few sdr's, PCR1000, an IQ and a Perseus

?

Could anyone tell me if you have managed to successfully get GQRX (Mageia 5) working with the cloud IQ please? I can see it connect and stream to my laptop but then it locks up the GQRX software.

?

I have got SDR # under windows to work very well.

?

- What other linux software works?

- What other windows software work please?

?

73's

?

Hoppy (aka Shaun)

?

?

?

?

?

?

119. Re: [CloudSDR] Greetings! And Gqrx with cloud iq

Yahoo group: CloudSDR
Date: 2015-08-10 18:42:02 UTC
From: Alexandru Csete
Topic: 116 Message: 119

On Mon, Aug 10, 2015 at 7:28 PM, 'Shaun Vincent Hopkins' zbz5@...
[CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
> Thanks for the reply. I have used your updates (GIT I think) on OpenSuse 13.1 & 13.2.
> Is that the mod that has the RDS data as well? If it was I like the RDS option especially
> if I play with my other RTL/FCP dongles.

Ehm, yes, but the RDS stuff is in gqrx, whereas the Cloud-IQ driver is
in a gnuradio package called gr-osmosdr. So you need to have both gqrx
and gr-osmosdr updated (once the patch has been applied).

Alex

120. Strange goings on with Cloud-iq radio

Yahoo group: CloudSDR
Date: 2015-08-16 18:23:32 UTC
From: Shaun Vincent Hopkins
Topic: 120 Message: 120

Hi all,

I have been testing out different software (spectraview, sdr-console and sdr #) with the Cloud-iq. Now something very strange has happened in IQ mode.

When I put the radio into cloud mode the remotesdr connects no problem at all.

Spectraview - on one pc works ok no problem. Second PC no audio except in WIDE FM mode only. I have uninstalled and deleted the spectraview folder in c:\ then clean re-install, but still the same.

SDR-console - will connect sometimes but not others. I realise it's set for SDR-IP and that there could be some issues but when it connects it works well.

SDR# - Will connect but NO I & Q data is coming to the software at all. It is connecting to the radio.

Does any body have any ideas as to why this has happened please or how to fix it?

73's

Hoppy

121. availability cloudsdr

Yahoo group: CloudSDR
Date: 2015-09-04 11:24:20 UTC
From: sdr_herrmanns@...
Topic: 121 Message: 121

hello, is there any information about the availability of cloudsdr?

122. RFSPACE Update

Yahoo group: CloudSDR
Date: 2015-10-31 14:41:32 UTC
From: rfspace@...
Topic: 122 Message: 122

Hi All,

There has been a lot going on at RFSPACE. Today we are releasing version 3.38 of SpectraVue. This version fixes a few bugs and adds windowing to the pulse compression mode. This mode is useful for the passive ionosphere observations using CODAR and other OTHR transmitters. We will produce a short video and write-up soon.

http://www.rfspace.com/RFSPACE/SpectraVue.html
http://www.rfspace.com/RFSPACE/SpectraVue.html

Moe has also added a few features to the RemoteSDRclient. It now allows you to route the raw IQ from a remote radio to a separate application using UDP. It also includes the option of recording remote IQ or audio to a wavefile on both Windows and MacOS.

http://www.rfspace.com/RFSPACE/CloudIQ_files/RemoteSDRclient/RemoteSdrClientWinSetup_119.exe http://www.rfspace.com/RFSPACE/CloudIQ_files/RemoteSDRclient/RemoteSdrClientWinSetup_119.exe

http://www.rfspace.com/RFSPACE/CloudIQ_files/RemoteSDRclient/RemoteSdrClient119.dmg
http://www.rfspace.com/RFSPACE/CloudIQ_files/RemoteSDRclient/RemoteSdrClient119.dmg

There is also a new CloudSetup application that will make it simpler to see what versions of the firmware is installed in the Cloud-IQ and CloudSDR radios. Moe is working on an install write-up since it can get a little complicated.

http://www.rfspace.com/RFSPACE/CloudIQ_files/CloudSetup105.zip
http://www.rfspace.com/RFSPACE/CloudIQ_files/CloudSetup105.zip

We have also released a new updated version of the NetSDR radio called the NetSDR+. This radio has an improved circuit board that increases the RF performance and sensitivity. It also includes a silicon tuner with RF pre-selection to add frequency coverage to 700+ MHz. The tuner is frequency locked to the internal oscillator and offers very good performance. It also includes an 8 MHz display waterfall mode for spectrum analysis. We have also reduced the price by 25%. The NetSDR+ is ONLY available factory direct at this time. We can ship directly to EU, JP, AUS etc.

http://www.rfspace.com/RFSPACE/NetSDR+.html http://www.rfspace.com/RFSPACE/NetSDR+.html

Owners of the NetSDR will also be able to upgrade to the downconverter option (-DC) very soon. We have already build over 150 downconverter option boards and will start offering them for sale shortly at $125. Due to the expensive shipping to EU, we are trying to stock them at a dealer in EU. On the previous NetSDR radios, the downconverter covers 40-550+ MHz.

The NetSDR+ should also enable the use of the NetSDR-X2-02-04 option with full performance. We will be testing this option soon to see if it makes sense to release it to the market.

http://www.rfspace.com/RFSPACE/NetSDR-X2.html
http://www.rfspace.com/RFSPACE/NetSDR-X2.html

The Cloud-IQ has been a success and we have run out of the initial build units. We will be building the second batch in the next few weeks. We hope to have them the first week of December.

As soon as we complete the second build of Cloud-IQs, we will be producing the first batch of CloudSDRs. We apologize for delaying the CloudSDR, but too many things have happened beyond our control.

Pieter

123. Cloud-IQ For Sale

Yahoo group: CloudSDR
Date: 2015-12-10 20:35:06 UTC
From: mmaseda@...
Topic: 123 Message: 123

As new cosmetic and working condition Cloud-IQ. Includes box, cable, power adapter, and CD. $525 shipped US 48 states. PayPal accepted. Manuel W4SSB

125. RE: Paint-able EMI / RFI shielding and related...

Yahoo group: CloudSDR
Date: 2015-12-22 21:19:08 UTC
From: joerotello@...
Topic: 125 Message: 125

RE: Paint-able EMI / RFI shielding and related...

Am posting this RFI / EMI related note in a few related areas...SDR, receivers, radio modifications, amateur radio groups, antenna and DX areas, et al...not to populate all possible areas, but to inform many that might find this of importance.

Worked a little, with preliminary MB600G (lower cost) samples of this material, so far, and plan to extensively over the long holiday break

MasterBond MB600 (family) of coatings that provide shielding properties at up to a MasterBond stated 18 GHz range, and at least at MW through about 500 MHz -- my range of analysis for now -- it works very well. Among other testing "scenarios", I have painted it on insides of plastic SDR enclosures, then carefully bonded a ground to the material, etc.

So far, using it on the insides of plastic SDR receiver boxes, and then grounding the paint to earth-ground -- by running insulated thin ground wire from inside of the SDR case -- yields very promising results.

Further, I have disassembled, wherever possible, a few of these "wonderful" switching type AC adapters that are otherwise notorious for emitting raucous quantities if RFI into the ether around us or in our areas of work...VERY carefully painting all possible areas, and so far, very noticeable drops in RFI strength are noted...perhaps more-so with grounding the thusly painted insides of these small switching adapters which is what I am testing this week and onwards for a while.

As far as the MB600G compound, I suggest looking into it for sure, as it could solve or greatly reduce items such as stray RFI getting out, or stray unwanted signals or interference getting IN, etc. Likely many other uses of course.

See online:

www.masterbond.com

and MB600G specifically, http://www.masterbond.com/tds/mb600g

Grin, this is moving past slightly interesting, and into "could be a lifesaver tool" status, at least here. Your mileage may vary.

Joe Rotello / Knoxville, TN / USA
Skype: joerotello

126. Re: HF performance ?

Yahoo group: CloudSDR
Date: 2015-12-22 19:11:28 UTC
From: gregella53@...
Topic: 124 Message: 126

I don't think the CloudSDR has been released yet, so you won't be seeing any reviews yet. The CloudIQ was released a few months ago, and it is a fantastic radio. There are several published reviews for it, along with published performance specs on the RFSpace website.

I expect the HF performance of the CloudSDR and CloudIQ to be very similar if not identical. The main difference will be that the CloudSDR will have a downconverter for extended coverage up to 1200 MHz.

You can try out a bunch of CloudIQ's, including mine, online now in cloud mode. Keep in mind that local IQ mode will be much better.

Greg
AD0JP

127. Re: HF performance ?

Yahoo group: CloudSDR
Date: 2015-12-23 03:28:34 UTC
From: bradleyforker@...
Topic: 124 Message: 127

Thanks Sorry I meant Cloud IQ Thanks

128. Re: HF performance ?

Yahoo group: CloudSDR
Date: 2015-12-23 11:51:12 UTC
From: pbij2001@...
Topic: 124 Message: 128

Here are some starting points:
CLOUD-IQ RFspace CONNECTED SDR http://radioaficion.com/cms/cloud-iq-rfspace/

http://radioaficion.com/cms/cloud-iq-rfspace/

CLOUD-IQ RFspace CONNECTED SDR http://radioaficion.com/cms/cloud-iq-rfspace/ The RFSPACE Cloud-IQ is a high performance, direct sampling software radio with an ethernet interface. It offers outstanding low distortion, low noise a...

View on radioaficion.com http://radioaficion.com/cms/cloud-iq-rfspace/
Preview by Yahoo

Arctic DX: RFSpace CloudIQ: Sensitivity & I/Q Bandwidth
http://arcticdx.blogspot.nl/2015/07/rfspace-cloudiq-sensitivity-iq-bandwidth.html

http://arcticdx.blogspot.nl/2015/07/rfspace-cloudiq-sensitivity-iq-bandwidth.html

Arctic DX: RFSpace CloudIQ: Sensitivity & I/Q Bandwidth
http://arcticdx.blogspot.nl/2015/07/rfspace-cloudiq-sensitivity-iq-bandwidth.html
Sensitivity may not be an important issue for many DX-ers, especially if they live in a high signal level environment.

View on arcticdx.blogspot.nl
http://arcticdx.blogspot.nl/2015/07/rfspace-cloudiq-sensitivity-iq-bandwidth.html
Preview by Yahoo

Fenu-Radio - Empfänger * AOR - Drake - Icom - JRC - Lowe - Perseus - Racal - RF Space - Ten Tec - Winradio - Yaesu http://www.fenu-radio.ch/index4.htm#RFSpace_Cloud-IQ

http://www.fenu-radio.ch/index4.htm#RFSpace_Cloud-IQ

Fenu-Radio - Empfänger * AOR - Drake - Icom - JRC ...
http://www.fenu-radio.ch/index4.htm#RFSpace_Cloud-IQ Stations- Empfänger AOR AR7030DRM AOR AR7030 Plus AOR AR3030

View on www.fenu-radio.ch http://www.fenu-radio.ch/index4.htm#RFSpace_Cloud-IQ
Preview by Yahoo

While comparing the specs, also have a close look at the versatility of the CloudIQ.

73!
Paul

129. SDRAnywhere

Yahoo group: CloudSDR
Date: 2015-12-25 09:19:42 UTC
From: eckrot@...
Topic: 129 Message: 129

Hi,

first of all: Merry Christmas to all of you and your families!

I wonder what happens with the SDRanywhere Android app on 1.1.2016. On the webpage there is a note:

'The Android application is currently in beta and will expire on December 31, 2015.'

Will we see an updated version or at least the current version with a new expiration date?

Thanks!

73 Eckhard

130. cloudIQ vs perseus

Yahoo group: CloudSDR
Date: 2016-01-10 02:13:37 UTC
From: ferrox4@...
Topic: 130 Message: 130

how does the cloudIQ to the Perseus. The Perseus seems to be the gold standard in SDR's, but its getting long in the tooth. I loved my sdr-iq and would like to purchase a cloudIQ. I am mostly into AM BCB and LW dx. does the cloudIQ have a recording feature??

131. Re: cloudIQ vs perseus

Yahoo group: CloudSDR
Date: 2016-01-10 13:05:48 UTC
From: ecstatic.mark@...
Topic: 130 Message: 131

There's a comparison of the two at http://www.fenu-radio.ch/en-index4.htm#RFSpace_Cloud-IQ
http://www.fenu-radio.ch/en-index4.htm#RFSpace_Cloud-IQ

RF Space's software, SpectraVue, does have a recording function. Details of how it works are in the documentation. http://www.moetronix.com/files/spectravue.pdf
http://www.moetronix.com/files/spectravue.pdf

Hope this helps,
Mark

133. Re: Etrhernet > Wifi

Yahoo group: CloudSDR
Date: 2016-01-26 20:23:05 UTC
From: qrp_talk@...
Topic: 107 Message: 133

Hi

Just joined the group don't know if you will still find this information useful.

I use a 0.5m cat5e patch lead to a Netgear wnce2001 wifi adapter it is also usb powered, I use a couple of Apple iPad chargers to provide the power to my CloudIQ and Netgear wifi adapter. The wnce2001 is no longer in production but you might find one as old stock or on ebay. I would assume othermanfacturers may also have similar units.

The power consumption at 5v of the CloudIQ and wnce2001 is very low and can easily be run from a phone backup battery unit. I've been experimenting with a 8400 mAh@3.7v "Pebble explorer" battery pack, which is fine for short term off the mains use but doesn't last that long powering both units. I'll go with a 12v leisure battery and voltage convertors for 12v to 5v for field use.

Hope that helps

Glen
G0SBN

134. Cloud List Server Change

Yahoo group: CloudSDR
Date: 2016-02-05 03:22:05 UTC
From: rfspace@...
Topic: 134 Message: 134

Hi,
The moetronix.com domain has been having problems for the last 24 hours or so and may not get fixed for awhile so we are moving it to another domain.

See this site for the new list server home.
http://www.sdranywhere.com http://www.sdranywhere.com/SDRanywhere/SDRanywhere.html

Here is the new web list
http://sdranywhere.com/cloud/sdrweb.py http://sdranywhere.com/cloud/sdrweb.py

All the documentation and default firmware settings will have to change but that is going to take a while so please be patient.

You just have to use cloudsetup to change your radio to the new list server location and also change the remotesdrclient and android app.

Use cloudsetup to set the list server domain to sdranywhere.com
Set the List server script path to /cloud/put.py

In RemoteSdrClient network setup set the list server domain to sdranywhere.com
Set the List server script path to /cloud/get.py

The moetronix.com server may fix itself but I'm not holding my breath.

Thanks
Moe

135. Re: Etrhernet > Wifi

Yahoo group: CloudSDR
Date: 2016-01-27 19:02:46 UTC
From: pbij2001@...
Topic: 107 Message: 135

Hi Glenn,

Thanks.

I'm using the TP-Link TL-WR702N since june on my Cloud-IQ without any issues.

73!
Paul

136. Re: [CloudSDR] Cloud List Server Change

Yahoo group: CloudSDR
Date: 2016-02-05 18:29:46 UTC
From: Whitham Reeve
Topic: 134 Message: 136

Hi Moe - FYI, the new setup works fine from Anchorage....

And the old setup was working last night.

Whit
 ---- Whitham D. Reeve Anchorage, Alaska USA ----

On Thursday, February 4, 2016 6:22 PM, "rfspace@gmail.com [CloudSDR]" <CloudSDR@yahoogroups.com> wrote:

Hi,The moetronix.com domain has been having problems for the last 24 hours or so and may not get fixed for awhile so we are moving it to another domain.
See this site for the new list server home.http://www.sdranywhere.com

Here is the new web listhttp://sdranywhere.com/cloud/sdrweb.py

All the documentation and default firmware settings will have to change but that is going to take a while so please be patient.
You just have to use cloudsetup to change your radio to the new list server location and also change the remotesdrclient and android app.
Use cloudsetup to set the list server domain to sdranywhere.comSet the List server script path to /cloud/put.py
In RemoteSdrClient network setup set the list server domain to sdranywhere.comSet the List server script path to /cloud/get.py
The moetronix.com server may fix itself but I'm not holding my breath.
ThanksMoe

138. RE: Paint-able EMI / RFI shielding and related...

Yahoo group: CloudSDR
Date: 2016-02-28 19:14:22 UTC
From: MV Elttba
Topic: 125 Message: 138

Joe,
anymore findings for your experiment?

Vincent

139. CloudSDR Reflock and Availability

Yahoo group: CloudSDR
Date: 2016-03-06 19:20:03 UTC
From: gregella53@...
Topic: 139 Message: 139

Hi Pieter,

When the CloudSDR is locked to an external 10 MHz reference, will the internal downconverter for VHF/UHF also be locked to that reference?

Also, any update on the expected availability of the CloudSDR?

Thanks,

Greg Ella
AD0JP

140. Re: CloudSDR Reflock and Availability

Yahoo group: CloudSDR
Date: 2016-03-06 20:39:55 UTC
From: rfspace@...
Topic: 139 Message: 140

Greg,

The reflock locks the whole radio including the converter. We are looking at adding a bigger FPGA to the CloudSDR. That is why it has been delayed. We decided that there was additional functionality that would be nice to have so the FPGA is getting much larger and faster. We should have more information soon.

Pieter

141. RE: Paint-able EMI / RFI shielding and related...

Yahoo group: CloudSDR
Date: 2016-03-22 14:51:08 UTC
From: MV Elttba
Topic: 125 Message: 141

Joe
have you seen or know about
[image: 3M]
<http://c.digikey.com/dc/mn-w0iJh4uEE_bUitNCuXo3tvV5EISR9mp3Z7kvYKTNBo80VbBsyXPWAKJ_pmmMr6NiDuXc5Tm4Ww_s6VVDknWC5DVRKEbraVfBWoTWcs7rkBT2J0YdaHagMTL7MSrt5uK_Q6f9pbIi2BUMAKJr2Yy24LA5Cu_ADHD-67lKrVPE30AxJWUveSEZFjuzu40lFmMvKTb04FnXJGroXP2VxWM1MnYVyoJJcN_1N99W86Bo=/m000tq0040fBc4BKCee0NB0>

EMI/RFI Absorbers
<http://c.digikey.com/dc/mn-w0iJh4uEE_bUitNCuXmOASUNxIUHHNt2ANEnMXZ9ZvxPHfecUbgyKPKSwakjuitB_X5OXL6wpNjrg0MSAkv2hGK3l1LAd8zxrxzPxj6NT8a_aQ6qg-HAPp-uAoiKbpUyWS-DuB-LL9XuLG4l0bECJBt-NLK2CGN1wfqABU8ftxCdUsKllIgIMp6fXIFrXTZwRXHOOSr61liUoS0rqEpPZOt27yLC3B2vbtML34p95MkI2-MfiCjqYIxe1X-lA/m000tq0040fBc4BKCee0NB0>might
be a alternative to the paint? from DigiKey

Vincent

142. RE: Paint-able EMI / RFI shielding and related...

Yahoo group: CloudSDR
Date: 2016-03-22 16:46:17 UTC
From: bjablonski@...
Topic: 125 Message: 142

Also consider this from Amazon:

MG Chemicals 843 Super Shield Silver Coated Copper Conductive Coating, 5-Ounce Aerosol: Industrial Coatings: Amazon.com: Industrial & Scientific http://www.amazon.com/gp/product/B00DED8TEO?psc=1&redirect=true&ref_=oh_aui_detailpage_o07_s00

http://www.amazon.com/gp/product/B00DED8TEO?psc=1&redirect=true&ref_=oh_aui_detailpage_o07_s00

MG Chemicals 843 Super Shield Silver Coated Copp... http://www.amazon.com/gp/product/B00DED8TEO?psc=1&redirect=true&ref_=oh_aui_detailpage_o07_s00 The Silver Coated Copper Conductive Coating is a highly conductive acrylic paint designed to reduce electromagnetic or radio frequency interference (EMI/RFI)....

View on www.amazon.com http://www.amazon.com/gp/product/B00DED8TEO?psc=1&redirect=true&ref_=oh_aui_detailpage_o07_s00
Preview by Yahoo

Barry
WB2ZXJ

143. RE: Paint-able EMI / RFI shielding and related...

Yahoo group: CloudSDR
Date: 2016-03-22 17:49:28 UTC
From: MV Elttba
Topic: 125 Message: 143

Interesting. Thanks for the info. I wonder if there is a non spray format?
I rather use a brush. Is there any electornical properties to review?

Vincent

144. RE: Paint-able EMI / RFI shielding and related...

Yahoo group: CloudSDR
Date: 2016-03-22 20:28:40 UTC
From: bjablonski@...
Topic: 125 Message: 144

MG Chemicals Super Shield™ Silver Coated Copper Conductive Coating http://www.mgchemicals.com/products/protective-coatings/emi-rfi-shielding/super-shield-silver-copper-843/

http://www.mgchemicals.com/products/protective-coatings/emi-rfi-shielding/super-shield-silver-copper-843/

MG Chemicals Super Shield™ Silver Coated Copper Cond... http://www.mgchemicals.com/products/protective-coatings/emi-rfi-shielding/super-shield-silver-copper-843/ Usage Instructions Applications & Usages: Its primary application is to provide a reasonable cost, high-conductivity EMI/RFI shielding.

View on www.mgchemicals.com http://www.mgchemicals.com/products/protective-coatings/emi-rfi-shielding/super-shield-silver-copper-843/
Preview by Yahoo

Barry

145. Re: [CloudSDR] RE: Paint-able EMI / RFI shielding and related...

Yahoo group: CloudSDR
Date: 2016-03-23 14:10:26 UTC
From: MV Elttba
Topic: 125 Message: 145

Barry,
have you ever use this?

Vincent

On Tue, Mar 22, 2016 at 1:28 PM, bjablonski@... [CloudSDR] <
CloudSDR@yahoogroups.com> wrote:

>
>
> MG Chemicals Super Shield™ Silver Coated Copper Conductive Coating
> <http://www.mgchemicals.com/products/protective-coatings/emi-rfi-shielding/super-shield-silver-copper-843/>
> [image: image]
> <http://www.mgchemicals.com/products/protective-coatings/emi-rfi-shielding/super-shield-silver-copper-843/>
> MG Chemicals Super Shield™ Silver Coated Copper Cond...
> <http://www.mgchemicals.com/products/protective-coatings/emi-rfi-shielding/super-shield-silver-copper-843/>
> Usage Instructions Applications & Usages: Its primary application is to
> provide a reasonable cost, high-conductivity EMI/RFI shielding.
> View on www.mgchemicals.com
> <http://www.mgchemicals.com/products/protective-coatings/emi-rfi-shielding/super-shield-silver-copper-843/>
> Preview by Yahoo
>
>
>
> Barry
>
>
>

146. Re: [CloudSDR] RE: Paint-able EMI / RFI shielding and related...

Yahoo group: CloudSDR
Date: 2016-03-24 05:47:08 UTC
From: bjablonski@...
Topic: 125 Message: 146

Hi Vincent,

Yes, I have. A little expensive -- but, highly recommended.

Pictures to follow, if you wish.

Barry
WB2ZXJ

147. Re: [CloudSDR] RE: Paint-able EMI / RFI shielding and related...

Yahoo group: CloudSDR
Date: 2016-03-24 14:05:56 UTC
From: MV Elttba
Topic: 125 Message: 147

Thank you Barry for your reply. Yes, i love to see pictures of your experience using this brand and mode of application. I'm seriously thinking of using it on my AirSpy and my Ettus B200 metal enclosure.

Vincent

148. happy CloudIQ owner

Yahoo group: CloudSDR
Date: 2016-04-16 04:29:03 UTC
From: ecdowney@...
Topic: 148 Message: 148

Nothing Earth-shattering here, just wanted to share how delighted I am with my CloudIQ.

I started playing with the usual RTL-SDR dongle a few years ago. It was great fun and I had gotten rather used to all the spurs, intermod products, IQ imbalance etc. But eventually I decided to invest in something better. After quite some research I decided to get the relatively new CloudIQ. Well, pardon my primitive vocabulary but it is just WOW. The spectra are so clean and uniform, it's almost hard to believe how bad the dongle really was. Now when I see something, anything, on the waterfall I know it is real. It seems to be much more sensitive and yet there's an AM broadcaster about ten miles from here and it causes no problems at all. I hear things on this radio I never knew existed.

Well done, RFSpace, I'm a true believer.

My SWL station is dual amplified 3 foot diameter loops (from http://active-antenna.eu http://active-antenna.eu/) outdoors about ten feet high and a late 2013 iMac running SdrDx connected to fldigi or MultiMode via RogueAmoebe's Loopback.

73, Elwood, WB0OEW

149. RE: Paint-able EMI / RFI shielding and related...

Yahoo group: CloudSDR
Date: 2016-06-03 23:50:46 UTC
From: MV Elttba
Topic: 125 Message: 149

Joe,
I tried this on my B200
MG Chemicals 841 Super Shield Nickel Conductive Coating, 340g (12 Oz) Aerosol
It looks like 1 1/2 s unit improvement. thanks for the suggestion.

Vincent

150. RE: Paint-able EMI / RFI shielding and related...

Yahoo group: CloudSDR
Date: 2016-06-04 14:28:02 UTC
From: bjablonski@...
Topic: 125 Message: 150
Attachments: 3 described; binary payloads are missing from this source WARC

Hi Vincent,

Somehow those pictures I promised you never made it across Yahoo. Here's a belated second try:

Barry
WB2ZXJ

151. RE: Paint-able EMI / RFI shielding and related...

Yahoo group: CloudSDR
Date: 2016-06-04 15:10:41 UTC
From: MV Elttba
Topic: 125 Message: 151

Thanks Berry, how much improvment did you see after applying?

Vincent

152. RE: Paint-able EMI / RFI shielding and related...

Yahoo group: CloudSDR
Date: 2016-06-04 23:33:10 UTC
From: bjablonski@...
Topic: 125 Message: 152

Hi Vincent,

Sorry, but I didn't make any before and after measurements. I considered that with regards to standard best normal RF engineering practices, one would always enclose any highly sensitive receiver in a Faraday shield to protect it from unwanted RF ingress. The SDRplay's plastic enclosure was severely lacking in this requirement.

Let me know what measurement method you used to determine that 1.5 s-unit improvement that you measured. If I can duplicate it, I'll let you know my results.

Thanks.

Barry
WB2ZXJ

153. ExtIO DLL for HDSDR and Cloud-IQ ?

Yahoo group: CloudSDR
Date: 2016-08-17 10:37:10 UTC
From: 2857@...
Topic: 153 Message: 153

Hello. New in the Group. Thanks and Greetings from Europe to all members!
Anyone familiar with creating an ExtIO.dll for HDSDR and the Cloud-IQ ? I just purchased a Cloud-IQ. It will works well the HDSDR software with this new Cloud-IQ ?
Someone knows if there is available a new ExtIO.dll for HDSDR, or if will works well the DLL created for the HDSDR, already available -since April 11 2013- for its precedessor, the RFSpace SDR-IQ / SDR-14 ?
Please, let me know...
Thanks ind advance
Vy 73's
Bruno-EA7FEB

154. Re: [CloudSDR] ExtIO DLL for HDSDR and Cloud-IQ ?

Yahoo group: CloudSDR
Date: 2016-08-18 01:00:19 UTC
From: Brian Short
Topic: 153 Message: 154

I am also running Cloud-IQ (with Spectravue and FTdx-5000 IF).

I am interested in other software for the Cloud-IQ.

Brian

On Aug 17, 2016, at 3:37 AM, 2857@... [CloudSDR] wrote:

>
>
> Hello. New in the Group. Thanks and Greetings from Europe to all members!
>
> Anyone familiar with creating an ExtIO.dll for HDSDR and the Cloud-IQ ? I just purchased a Cloud-IQ. It will works well the HDSDR software with this new Cloud-IQ ?
>
> Someone knows if there is available a new ExtIO.dll for HDSDR, or if will works well the DLL created for the HDSDR, already available -since April 11 2013- for its precedessor, the RFSpace SDR-IQ / SDR-14 ?
>
> Please, let me know...
>
> Thanks ind advance
>
> Vy 73's
>
> Bruno-EA7FEB
>

--
http://www.qrz.com/db/k7on

155. Re: [CloudSDR] ExtIO DLL for HDSDR and Cloud-IQ ?

Yahoo group: CloudSDR
Date: 2016-08-18 13:21:26 UTC
From: Larry Ewan
Topic: 153 Message: 155

Brian,

I recommend SDR-Console Version 2.3. Google is your friend.

Larry N9JY

I am also running Cloud-IQ (with Spectravue and FTdx-5000 IF).

I am interested in other software for the Cloud-IQ.

Brian

On Aug 17, 2016, at 3:37 AM, 2857@icagr.es<mailto:2857@icagr.es> [CloudSDR] wrote:

156. Re: [CloudSDR] ExtIO DLL for HDSDR and Cloud-IQ ?

Yahoo group: CloudSDR
Date: 2016-08-18 21:50:37 UTC
From: Everett Sharp
Topic: 153 Message: 156

It should work fine on SRD version 3, release 3.

Everett N4CY

Sent from my iPad

> On Aug 18, 2016, at 8:21 AM, Larry Ewan larry@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
> Brian,
>
>
>
> I recommend SDR-Console Version 2.3. Google is your friend.
>
>
>
>
>
> Larry N9JY
>
> I am also running Cloud-IQ (with Spectravue and FTdx-5000 IF).
>
>
>
> I am interested in other software for the Cloud-IQ.
>
>
>
> Brian
>
>
>
> On Aug 17, 2016, at 3:37 AM, 2857@... [CloudSDR] wrote:
>
>
>
>
>

157. Re: [CloudSDR] ExtIO DLL for HDSDR and Cloud-IQ ?

Yahoo group: CloudSDR
Date: 2016-08-19 07:12:54 UTC
From: bjarnemjelde@...
Topic: 153 Message: 157

Since there have been a couple of recommendations on SDR-Console here, I'd like to put some balance in here and remark that for me and several Cloud-IQ owners I know, SDR-Console is absolutely no alternative. HDSDR would be ok, and it would be great to be able to enable support for Jaguar/Jaguar Lite.

Bjarne Mjelde
arcticdx.blogspot.com

158. Re: [CloudSDR] ExtIO DLL for HDSDR and Cloud-IQ ?

Yahoo group: CloudSDR
Date: 2016-08-19 00:29:50 UTC
From: Brian Short
Topic: 153 Message: 158

I have SDR Console 2.3 running on Win 7 after fixing a MFC100U.DLL issue.

On Aug 18, 2016, at 2:50 PM, Everett Sharp everettsharp@... [CloudSDR] wrote:

>
> It should work fine on SRD version 3, release 3.
>
> Everett N4CY
>
> On Aug 18, 2016, at 8:21 AM, Larry Ewan larry@... [CloudSDR] <CloudSDR@yahoogroups.com>
wrote:
>
>> Brian,
>>
>>
>> I recommend SDR-Console Version 2.3. Google is your friend.
>>
>> Larry N9JY
>>
>> I am also running Cloud-IQ (with Spectravue and FTdx-5000 IF).
>>
>>
>>
>> I am interested in other software for the Cloud-IQ.
>>
>>
>>
>> Brian
>>
>>
>>
>> On Aug 17, 2016, at 3:37 AM, 2857@... [CloudSDR] wrote:
>>

159. RE: [CloudSDR] ExtIO DLL for HDSDR and Cloud-IQ ?

Yahoo group: CloudSDR
Date: 2016-08-20 05:51:59 UTC
From: Simon Brown
Topic: 153 Message: 159

And,

If you are feeling adventurous you can cast caution to the wind and try a version 3 preview: http://sdr-radio.com/v3_help

Simon Brown, GK4ELI
http://sdr-radio.com

From: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Sent: 19 August 2016 01:30
To: CloudSDR@yahoogroups.com
Subject: Re: [CloudSDR] ExtIO DLL for HDSDR and Cloud-IQ ?

I have SDR Console 2.3 running on Win 7 after fixing a MFC100U.DLL issue.

On Aug 18, 2016, at 2:50 PM, Everett Sharp everettsharp@... <mailto:everettsharp@...> [CloudSDR] wrote:

It should work fine on SRD version 3, release 3.

Everett N4CY

On Aug 18, 2016, at 8:21 AM, Larry Ewan larry@... <mailto:larry@...> [CloudSDR] <CloudSDR@yahoogroups.com <mailto:CloudSDR@yahoogroups.com> > wrote:

Brian,

I recommend SDR-Console Version 2.3. Google is your friend.

Larry N9JY

I am also running Cloud-IQ (with Spectravue and FTdx-5000 IF).

I am interested in other software for the Cloud-IQ.

Brian

On Aug 17, 2016, at 3:37 AM, 2857@... <mailto:2857@...> [CloudSDR] wrote:

160. Re: [CloudSDR] ExtIO DLL for HDSDR and Cloud-IQ ?

Yahoo group: CloudSDR
Date: 2016-08-19 14:05:21 UTC
From: Brian Short
Topic: 153 Message: 160

Does HDSDR work with the CloudIQ? Thanks.

On Aug 19, 2016, at 12:12 AM, bjarnemjelde@... [CloudSDR] wrote
Since there have been a couple of recommendations on SDR-Console here, I'd like to put some balance in here and remark that for me and several Cloud-IQ owners I know, SDR-Console is absolutely no alternative. HDSDR would be ok, and it would be great to be able to enable support for Jaguar/Jaguar Lite.

--
http://www.qrz.com/db/k7on

161. Re: [CloudSDR] ExtIO DLL for HDSDR and Cloud-IQ ?

Yahoo group: CloudSDR
Date: 2016-08-22 09:23:19 UTC
From: 2857@...
Topic: 153 Message: 161

Hi. There is no available a new ExtIO.dll for HDSDR and Cloud IQ, but I don't know if does works well the DLL created for the HDSDR, already available -since April 11 2013- for its precedessor, the RFSpace SDR-IQ / SDR-14 . May be works... I will try whit this DLL from 2013...
73's
Bruno-EA7FEB

https://groups.yahoo.com/neo/groups/CloudSDR/conversations/topics/160;_ylc=X3oDMTJxMDluMDQwBF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRtc2dJZAMxNjAEc2VjA2Rtc2cEc2xrA3Ztc2cEc3RpbWUDMTQ3MTc2NzQ4Mw-- https://groups.yahoo.com/neo/groups/CloudSDR/conversations/topics/160;_ylc=X3oDMTJxMDluMDQwBF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRtc2dJZAMxNjAEc2VjA2Rtc2cEc2xrA3Ztc2cEc3RpbWUDMTQ3MTc2NzQ4Mw--

162. Re: [CloudSDR] ExtIO DLL for HDSDR and Cloud-IQ ?

Yahoo group: CloudSDR
Date: 2016-08-22 09:25:49 UTC
From: 2857@...
Topic: 153 Message: 162

Hi, Bjarne. As there is no available a new ExtIO.dll for HDSDR and Cloud IQ, Do you know if does works well the DLL created for the HDSDR, already available -since April 11 2013- for its precedessor, the RFSpace SDR-IQ / SDR-14 ?
Would be works well... What do you think about?
73's
Bruno-EA7FEB

163. Re: [CloudSDR] ExtIO DLL for HDSDR and Cloud-IQ ?

Yahoo group: CloudSDR
Date: 2016-08-22 11:11:22 UTC
From: RFSPACE
Topic: 153 Message: 163

Bruno,

It won't work. SDR-IQ is USB and Cloud-IQ is ethernet.

Pieter

> On Aug 22, 2016, at 5:25 AM, 2857@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
> Hi, Bjarne. As there is no available a new ExtIO.dll for HDSDR and Cloud IQ, Do you know if does works well the DLL created for the HDSDR, already available -since April 11 2013- for its precedessor, the RFSpace SDR-IQ / SDR-14 ?
>
> Would be works well... What do you think about?
>
> 73's
>
> Bruno-EA7FEB
>

164. Cloud iq for sale in UK

Yahoo group: CloudSDR
Date: 2016-08-30 21:44:23 UTC
From: zbz5@...
Topic: 164 Message: 164

Hi all,

As new cosmetic and working condition Cloud-IQ. Shack clear out. Sale includes box, cable, power adapter, and CD.

PayPal accepted. £475 or near offer please.

Happy to send overseas but will need to agree costs first

73's

Hoppy

165. Cloud-IQ for sale - UK

Yahoo group: CloudSDR
Date: 2016-08-30 14:48:59 UTC
From: Hoppy
Topic: 153 Message: 165

Hi all,

As new cosmetic and working condition Cloud-IQ. Shack clear out. Sale includes box, cable, power adapter, and CD.

PayPal accepted. £475 or near offer please.

Happy to send overseas but will need to agree costs first

73's

Hoppy

166. How to switch modes ?

Yahoo group: CloudSDR
Date: 2016-10-21 06:21:20 UTC
From: vss@...
Topic: 166 Message: 166

Hello!

My CloudIQ working in Cloud mode. Attempts to switch the mode I / O mode. After pressing OK the device reboots. The re-searching is still under cloudIQ. MODE LED is not illuminated. During cloud I/Q works without a problem.

help me !

Artur sp3vss

167. Re: [CloudSDR] How to switch modes ?

Yahoo group: CloudSDR
Date: 2016-10-21 16:53:55 UTC
From: James
Topic: 166 Message: 167

On 10/21/2016 1:21 AM, vss@... [CloudSDR] wrote:
> Attempts to switch the mode I / O mode.
If you are running Windows, you can use CloudSetup (downloaded from
http://www.rfspace.com/RFSPACE/CloudIQ.html) to find your Cloud IQ.
Double left click on the line showing the IP address, left click the
radio button for "I/Q Mode", and left click "OK".

168. Re: [CloudSDR] How to switch modes ?

Yahoo group: CloudSDR
Date: 2016-10-21 15:49:13 UTC
From: Greg Ella
Topic: 166 Message: 168

Hi Artur,

I assume you are trying to switch from Cloud mode to I/Q mode. Connect to your device with the CloudSetup program. On the left side of the window there is an area to select between Cloud mode and I/Q mode. Select I/Q mode and then click OK at the bottom right. You should hear some relay clicking in the device. Wait until after you hear this to close the program. Now you should be in I/Q mode and be able to connect via SpectraVue software.

If this did not work, make sure you have the latest version of the CloudSetup program, and the latest firmware installed in the device.

Greg

AD0JP

On Fri, Oct 21, 2016 at 12:21 AM, vss@... [CloudSDR] <
CloudSDR@yahoogroups.com> wrote:

>
>
> Hello!
>
>
> My CloudIQ working in Cloud mode. Attempts to switch the mode I / O mode.
> After pressing OK the device reboots. The re-searching is still under
> cloudIQ. MODE LED is not illuminated. During cloud I/Q works without a
> problem.
>
>
> help me !
>
>
> Artur sp3vss
>
>
>
>
>

169. Re: [CloudSDR] How to switch modes ?

Yahoo group: CloudSDR
Date: 2016-10-21 19:30:42 UTC
From: RFSPACE
Topic: 166 Message: 169

If it does not switch, then you need to make sure all the firmware and fpga loads are updated using CloudSDR setup. The latest files are in the Cloud-IQ page under RFSPACE.com

Pieter

Sent from my iPhone
Please excuse any grammatical or formatting errors.

> On Oct 21, 2016, at 11:49 AM, Greg Ella gregella53@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
> Hi Artur,
>
> I assume you are trying to switch from Cloud mode to I/Q mode. Connect to your device with the CloudSetup program. On the left side of the window there is an area to select between Cloud mode and I/Q mode. Select I/Q mode and then click OK at the bottom right. You should hear some relay clicking in the device. Wait until after you hear this to close the program. Now you should be in I/Q mode and be able to connect via SpectraVue software.
>
> If this did not work, make sure you have the latest version of the CloudSetup program, and the latest firmware installed in the device.
>
> Greg
>
> AD0JP
>
>> On Fri, Oct 21, 2016 at 12:21 AM, vss@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>>
>> Hello!
>>
>>
>>
>> My CloudIQ working in Cloud mode. Attempts to switch the mode I / O mode. After pressing OK the device reboots. The re-searching is still under cloudIQ. MODE LED is not illuminated. During cloud I/Q works without a problem.
>>
>>
>>
>> help me !
>>
>>
>>
>> Artur sp3vss
>>
>>
>>

>
>

170. CloudSDR timescale

Yahoo group: CloudSDR
Date: 2016-11-15 08:21:23 UTC
From: g4enz@...
Topic: 170 Message: 170

The last I heard was that the CloudSDR complete with a newer FPGA might be available sometime around now. I wonder if anyone can confirm where things stand.

Martin - G4ENZ

172. Radioactivity Monitoring

Yahoo group: CloudSDR
Date: 2016-12-18 17:31:48 UTC
From: gregella53@...
Topic: 172 Message: 172

This question is primarily for Pieter. In the description of the upcoming CloudSDR on the RFSpace page, one of the possible applications is listed as "radioactivity monitoring". What do you mean by this, and how do you envision it being implemented?

Thanks,

Greg Ella

AD0JP

173. Re: [CloudSDR] Radioactivity Monitoring

Yahoo group: CloudSDR
Date: 2016-12-18 20:34:14 UTC
From: RFSPACE
Topic: 172 Message: 173

Greg,

There was interest from a group to use the CloudSDR/IQ to remotely monitor radioactivity and other things. They used a specialized sensor that had a 50 Ohm HF output that is fed to the radio. They access these radios remotely.

Pieter

Sent from my iPhone
Please excuse any grammatical or formatting errors.

> On Dec 18, 2016, at 12:31 PM, gregella53@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
> This question is primarily for Pieter. In the description of the upcoming CloudSDR on the RFSpace page, one of the possible applications is listed as "radioactivity monitoring". What do you mean by this, and how do you envision it being implemented?
>
> Thanks,
>
> Greg Ella
>
> AD0JP
>
>
>
>

174. Re: [CloudSDR] Radioactivity Monitoring

Yahoo group: CloudSDR
Date: 2016-12-18 20:40:40 UTC
From: Chris Smolinski
Topic: 172 Message: 174

Spectroscopy from a scintillator or semiconductor radiation sensor? Sounds interesting.

Chris Smolinski
Black Cat Systems
http://www.blackcatsystems.com

> On Dec 18, 2016, at 3:34 PM, RFSPACE rfspace@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
>
> Greg,
>
> There was interest from a group to use the CloudSDR/IQ to remotely monitor radioactivity and other things. They used a specialized sensor that had a 50 Ohm HF output that is fed to the radio. They access these radios remotely.
>
> Pieter
>
> Sent from my iPhone
> Please excuse any grammatical or formatting errors.
>

> On Dec 18, 2016, at 12:31 PM, gregella53@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
>>
>> This question is primarily for Pieter. In the description of the upcoming CloudSDR on the RFSpace page, one of the possible applications is listed as "radioactivity monitoring". What do you mean by this, and how do you envision it being implemented?
>>
>> Thanks,
>>
>> Greg Ella
>>
>> AD0JP
>>
>>
>>
>>
>
>

175. Re: [CloudSDR] Radioactivity Monitoring

Yahoo group: CloudSDR
Date: 2016-12-18 21:03:35 UTC
From: RFSPACE
Topic: 172 Message: 175

Chris,

Yes, but it required that the radio had a frequency response down to low audio. We developed a special transformer that makes it possible. Will probably make it standard on the CloudSDR. The SDR-IQ used to go down to 500 Hz.

Pieter

Sent from my iPhone
Please excuse any grammatical or formatting errors.

> On Dec 18, 2016, at 3:40 PM, Chris Smolinski csmolinski@blackcatsystems.com [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
> Spectroscopy from a scintillator or semiconductor radiation sensor? Sounds interesting.
>
> Chris Smolinski
> Black Cat Systems
> http://www.blackcatsystems.com
>
> > On Dec 18, 2016, at 3:34 PM, RFSPACE rfspace@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
> >
> >
> > Greg,
> >
> > There was interest from a group to use the CloudSDR/IQ to remotely monitor radioactivity and other things. They used a specialized sensor that had a 50 Ohm HF output that is fed to the radio. They access these radios remotely.
> >
> > Pieter
> >
> > Sent from my iPhone
> > Please excuse any grammatical or formatting errors.
> >
>
> > On Dec 18, 2016, at 12:31 PM, gregella53@gmail.com [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
> >
> >>
> >> This question is primarily for Pieter. In the description of the upcoming CloudSDR on the RFSpace page, one of the possible applications is listed as "radioactivity monitoring". What do you mean by this, and how do you envision it being implemented?
> >>
> >> Thanks,
> >>

```
> >> Greg Ella
> >>
> >> AD0JP
> >>
> >>
> >>
> >>
> >
> >
>
>
```

176. Re: [CloudSDR] Radioactivity Monitoring

Yahoo group: CloudSDR
Date: 2016-12-18 18:30:27 UTC
From: SkyRadio74
Topic: 172 Message: 176

Hi Greg,

It's a good paper if you are interested in this Nuke test monitoring hobby...

https://ceg.osu.edu/sites/ceg.osu.edu/files/uploads/pressconf_osu.pdf
A+
 Philippe NIHIL SINE SOLE- 46° 07' 53'' N 06° 22' 34'' E - LOCATOR : JN36ED

De : "gregella53@...m [CloudSDR]" <CloudSDR@yahoogroups.com>
À : CloudSDR@yahoogroups.com
Envoyé le : Dimanche 18 décembre 2016 18h31
Objet : [CloudSDR] Radioactivity Monitoring

  This question is primarily for Pieter. In the description of the upcoming CloudSDR on the RFSpace page, one of the possible applications is listed as "radioactivity monitoring". What do you mean by this, and how do you envision it being implemented?

Thanks,

Greg Ella

AD0JP

177. Continuum Bandwidth - Cloud-IQ

Yahoo group: CloudSDR
Date: 2016-12-31 21:11:02 UTC
From: wd73383@...
Topic: 177 Message: 177

My question concerns the SpectraVue Save Continuum Data to a CSV File.in the Output Setup Menu.

In CloudIQ Setup menu I set the Bandwidth button for 61.44 MHz (32k Max FFT). In Output Setup menu I selected Save Continuum Data to CSV Excel File Format and set Timed Saves to 100, corresponding to 1 second save interval. Back at the Main Window I have Center Frequency set to 20 MHz and Span set to 10 MHz.

My question: When SpectraVue saves the data, is it computing the continuum average and peak powers in the full 61.44 MHz bandwidth specified in the CloudIQ Setup menu or the 10 MHz displayed span in the main window?

Thanks!

Whit

178. Re: [CloudSDR] Continuum Bandwidth - Cloud-IQ

Yahoo group: CloudSDR
Date: 2017-01-01 20:23:56 UTC
From: SkyRadio74
Topic: 177 Message: 178

Hi Whit,
I think it's 10 Mhz displayed span in the window...
Best wishes,
 Philippe NIHIL SINE SOLE- 46° 07' 53'' N 06° 22' 34'' E - LOCATOR : JN36ED

De : "wd73383@... [CloudSDR]" <CloudSDR@yahoogroups.com>
À : CloudSDR@yahoogroups.com
Envoyé le : Samedi 31 décembre 2016 22h11
Objet : [CloudSDR] Continuum Bandwidth - Cloud-IQ

  My question concerns the SpectraVue Save Continuum Data to a CSV File.in the Output Setup Menu.

In CloudIQ Setup menu I set the Bandwidth button for 61.44 MHz (32k Max FFT). In Output Setup menu I selected Save Continuum Data to CSV Excel File Format and set Timed Saves to 100, corresponding to 1 second save interval. Back at the Main Window I have Center Frequency set to 20 MHz and Span set to 10 MHz.

My question: When SpectraVue saves the data, is it computing the continuum average and peak powers in the full 61.44 MHz bandwidth specified in the CloudIQ Setup menu or the 10 MHz displayed span in the main window?

Thanks!

Whit

179. Re: [CloudSDR] Continuum Bandwidth - Cloud-IQ

Yahoo group: CloudSDR
Date: 2017-01-03 18:45:39 UTC
From: wd73383@...
Topic: 177 Message: 179

Hi Philippe - Yes, you are correct. I finally freed up one of my noise generators so I could do the measurements (I was hoping someone would save me the trouble).

Anyway, here are some eyeballed results with various bandwidth and span settings:

2 MHz BW, 2 MHz Span: -81.9 dB
5 MHz BW, 5 MHz Span: -75.6 dB
6 MHz BW, 6 MHz Span: -74.4 dB
10 MHz BW, 10 MHz Span: -72.6 dB

61.44 MHz BW, 2 MHz Span: -72.8 dB
61.44 MHz BW, 5 MHz Span: -68.8 dB
61.44 MHz BW, 6 MHz Span: -67.9 dB
61.44 MHz BW, 10 MHz Span: -65.8 dB
61.44 MHz BW, 61.44 MHz Span: -48.7 dB

Some dB changes don't exactly track with 10log(BW) probably because of filter shapes.

Whit

---In CloudSDR@yahoogroups.com, <skyradio74@...> wrote :

Hi Whit,

I think it's 10 Mhz displayed span in the window...

Best wishes,

Philippe

NIHIL SINE SOLE- 46° 07' 53'' N 06° 22' 34'' E - LOCATOR : JN36ED

De : "wd73383@... [CloudSDR]" <CloudSDR@yahoogroups.com>
À : CloudSDR@yahoogroups.com
Envoyé le : Samedi 31 décembre 2016 22h11
Objet : [CloudSDR] Continuum Bandwidth - Cloud-IQ

My question concerns the SpectraVue Save Continuum Data to a CSV File.in the Output Setup Menu.

In CloudIQ Setup menu I set the Bandwidth button for 61.44 MHz (32k Max FFT). In Output Setup menu I selected Save Continuum Data to CSV Excel File Format and set Timed Saves to 100, corresponding to 1 second save interval. Back at the Main Window I have Center Frequency set to 20 MHz and Span set to 10 MHz.

My question: When SpectraVue saves the data, is it computing the continuum average and peak powers in the full 61.44 MHz bandwidth specified in the CloudIQ Setup menu or the 10 MHz displayed span in the main window?

Thanks!

Whit

180. New CloudIQ appears to have low sensitivity...need insight and support

Yahoo group: CloudSDR
Date: 2017-01-04 01:29:31 UTC
From: winston376@...
Topic: 180 Message: 180

Hello Pieter,

Best wishes for 2017.

I purchased a brand new CloudIQ from HRO last week and have set it up with my SDR-IQ.

Need your help on this since something appears amiss or maybe I'm not doing something right.

Side-by-side comparison between the CloudIQ and SDR-IQ on the same PC with 50 ohm load and Spectravue Ver 3.39. All Spectravue parameters are the same when switching between both units.

Performed multiple combinations of measurements over the past few days and in summary, for one of my measurement sets, the Baseband results for the same BW and RBW etc. are SDR-IQ = -128 dBm but for CloudIQ = -123 dBm (A/D amp is 'Off'). Turning the amp 'On' makes the baseband level increase (move up).

Connected to the same antenna, same time, frequency (14.150 MHz) etc. A/B switching, the baseband for the SDR-IQ is -128 dBm and the CloudIQ is -113 dBm (A/D amp is 'Off').

I have also compared the CloudIQ and SDR-IQ operations with RF isolation xfmrs on the antenna port with no significant improvement for the CloudIQ.

Can you please provide some support / suggestions or perhaps a set of parameters for the CloudIQ that I can use to test/determine if it is operator error or a hardware front-end issue?

Thanks.

Alex

181. Re: [CloudSDR] Continuum Bandwidth - Cloud-IQ

Yahoo group: CloudSDR
Date: 2017-01-04 08:16:40 UTC
From: SkyRadio74
Topic: 177 Message: 181

Hi Whit,
To observethe SDR filters shapes or DDC flatness with Spectravue on 2D plot you shouldset smoothing=100 with FFT Ave=1000 and low scale dB/Div. like 0.1 dB, underscroll rate=10. Then you can see theirinfluences on the noise floor for each span setting… Philippe NIHIL SINE SOLE- 46° 07' 53'' N 06° 22' 34'' E - LOCATOR : JN36ED

De : "wd73383@... [CloudSDR]" <CloudSDR@yahoogroups.com>
À : CloudSDR@yahoogroups.com
Envoyé le : Mardi 3 janvier 2017 19h45
Objet : Re: [CloudSDR] Continuum Bandwidth - Cloud-IQ

Hi Philippe - Yes, you are correct. I finally freed up one of my noise generators so I could do the measurements (I was hoping someone would save me the trouble).

Anyway, here are some eyeballed results with various bandwidth and span settings:

2 MHz BW, 2 MHz Span: -81.9 dB
5 MHz BW, 5 MHz Span: -75.6 dB
6 MHz BW, 6 MHz Span: -74.4 dB
10 MHz BW, 10 MHz Span: -72.6 dB

61.44 MHz BW, 2 MHz Span: -72.8 dB
61.44 MHz BW, 5 MHz Span: -68.8 dB
61.44 MHz BW, 6 MHz Span: -67.9 dB
61.44 MHz BW, 10 MHz Span: -65.8 dB
61.44 MHz BW, 61.44 MHz Span: -48.7 dB

Some dB changes don't exactly track with 10log(BW) probably because of filter shapes.

Whit

---In CloudSDR@yahoogroups.com, <skyradio74@...> wrote :

Hi Whit,
I think it's 10 Mhz displayed span in the window...
Best wishes,
Philippe NIHIL SINE SOLE- 46° 07' 53'' N 06° 22' 34'' E - LOCATOR : JN36ED

De : "wd73383@... [CloudSDR]" <CloudSDR@yahoogroups.com>
À : CloudSDR@yahoogroups.com
Envoyé le : Samedi 31 décembre 2016 22h11
Objet : [CloudSDR] Continuum Bandwidth - Cloud-IQ

My question concerns the SpectraVue Save Continuum Data to a CSV File.in the Output Setup Menu.

In CloudIQ Setup menu I set the Bandwidth button for 61.44 MHz (32k Max FFT). In Output Setup menu I selected Save Continuum Data to CSV Excel File Format and set Timed Saves to

100, corresponding to 1 second save interval. Back at the Main Window I have Center Frequency set to 20 MHz and Span set to 10 MHz.

My question: When SpectraVue saves the data, is it computing the continuum average and peak powers in the full 61.44 MHz bandwidth specified in the CloudIQ Setup menu or the 10 MHz displayed span in the main window?

Thanks!

Whit

182. Re: New CloudIQ appears to have low sensitivity...need insight and support

Yahoo group: CloudSDR
Date: 2017-01-04 11:09:26 UTC
From: mwheatley@...
Topic: 180 Message: 182

Hi Alex, Spectravue displays relative dB not dBm unless you calibrate for each radio so maybe this is the difference you are seeing in the noise floors. The CloudIQ should have a much better noise figure than the SDR-IQ especially on the higher frequencies.

With an antenna and displaying signals, do they move when you select the 0,10,20,and 30dB attenuator settings? If not then maybe is another issue.

Moe

183. Future enhancement -- Combo waterfall / 2D adjustment?

Yahoo group: CloudSDR
Date: 2017-01-21 16:57:58 UTC
From: winston376@...
Topic: 183 Message: 183

Hello Moe,

Is there any future planned enhancement to Spectravue which would allow the user to adjust the waterfall / 2D spectrum in the combo mode? I find that most times I use 30 % waterfall and 70 % 2D spectrum but at other times it would be different depending on the demands of the mode, activity, etc.

Thanks in advance.
Regards

Alex

184. Cloud SDR

Yahoo group: CloudSDR
Date: 2017-02-23 14:11:36 UTC
From: Hans v Alphen
Topic: 184 Message: 184

Hello,

For quite some long time I am waiting for RFSPACE to lauch the new Cloud SDR. Just checked the RF Space website and now I see it's no longer mentioned on the website.
What should I think about this, I the lauch delayed and how much or is the whole product deleted.

Anyone with some info on this. Wanted to buy this one and expected it as stated on the RF Space website last quarter of 2016. What is going on.

Hans PA0EHG

185. Re: [CloudSDR] Cloud SDR

Yahoo group: CloudSDR
Date: 2017-02-23 23:33:48 UTC
From: Dave McAllister
Topic: 184 Message: 185

Hans,

It is still up, and showing a Q4 2017 release date, but not visible in the top menu for some reason.

http://rfspace.com/RFSPACE/CloudSDR.html

I am curious as to the expected price point.

Dave

Sent from my Samsung Galaxy smartphone.

-------- Original message --------
From: "'Hans v Alphen' h.v.alphen@... [CloudSDR]" <CloudSDR@yahoogroups.com>
Date: 2017-02-23 2:41 PM (GMT-08:00)
To: CloudSDR@yahoogroups.com
Subject: [CloudSDR] Cloud SDR

Hello,

For quite some long time I am waiting for RFSPACE to lauch the new Cloud SDR. Just checked the RF Space website and now I see it's no longer mentioned on the website.
What should I think about this, I the lauch delayed and how much or is the whole product deleted.

Anyone with some info on this. Wanted to buy this one and expected it as stated on the RF Space website last quarter of 2016. What is going on.

Hans PA0EHG

186. Re: [CloudSDR] Cloud SDR

Yahoo group: CloudSDR
Date: 2017-02-23 23:38:22 UTC
From: Dave McAllister
Topic: 184 Message: 186

Hans,

It is still up, and showing a Q4 2017 release date, but not visible in the top menu for some reason.

http://rfspace.com/RFSPACE/CloudSDR.html

I am curious as to the expected price point.

Dave

Sent from my Samsung Galaxy smartphone.

-------- Original message --------
From: "'Hans v Alphen' h.v.alphen@... [CloudSDR]" <CloudSDR@yahoogroups.com>
Date: 2017-02-23 2:41 PM (GMT-08:00)
To: CloudSDR@yahoogroups.com
Subject: [CloudSDR] Cloud SDR

Hello,

For quite some long time I am waiting for RFSPACE to lauch the new Cloud SDR. Just checked the RF Space website and now I see it's no longer mentioned on the website.
What should I think about this, I the lauch delayed and how much or is the whole product deleted.

Anyone with some info on this. Wanted to buy this one and expected it as stated on the RF Space website last quarter of 2016. What is going on.

Hans PA0EHG

187. Re: [CloudSDR] Cloud SDR

Yahoo group: CloudSDR
Date: 2017-02-24 15:30:03 UTC
From: RFSPACE
Topic: 184 Message: 187

Dave,

We are working on an upgraded version and just received a new version of the board. The page is still there, but is not active in the menu until we have a better estimated availability.

Pieter

Please excuse any grammatical or formatting errors.

> On Feb 23, 2017, at 6:38 PM, Dave McAllister davemcallister@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
> Hans,
>
> It is still up, and showing a Q4 2017 release date, but not visible in the top menu for some reason.
>
> http://rfspace.com/RFSPACE/CloudSDR.html
>
> I am curious as to the expected price point.
>
> Dave
>
>
>
> Sent from my Samsung Galaxy smartphone.
>
>
> -------- Original message --------
> From: "'Hans v Alphen' h.v.alphen@... [CloudSDR]" <CloudSDR@yahoogroups.com>
> Date: 2017-02-23 2:41 PM (GMT-08:00)
> To: CloudSDR@yahoogroups.com
> Subject: [CloudSDR] Cloud SDR
>
>
> Hello,
>
> For quite some long time I am waiting for RFSPACE to lauch the new Cloud SDR. Just checked the RF Space website and now I see it's no longer mentioned on the website.
> What should I think about this, I the lauch delayed and how much or is the whole product deleted.
>
> Anyone with some info on this. Wanted to buy this one and expected it as stated on the RF Space website last quarter of 2016. What is going on.
>

> Hans PA0EHG
>

188. Re: [CloudSDR] Cloud SDR

Yahoo group: CloudSDR
Date: 2017-02-26 11:16:17 UTC
From: Hans v Alphen
Topic: 184 Message: 188

Hi Dave and Pieter,

Thanks for reply. Still very curious for this new receiver from RF Space and hope it will be available soon.

Best Regards,

Hans v Alphen
PA0EHG
look at my website at www.pa0ehg.com

----- Original Message -----
From: RFSPACE rfspace@... [CloudSDR]
To: CloudSDR@yahoogroups.com
Sent: Friday, February 24, 2017 4:30 PM
Subject: Re: [CloudSDR] Cloud SDR

Dave,

We are working on an upgraded version and just received a new version of the board. The page is still there, but is not active in the menu until we have a better estimated availability.

Pieter

Please excuse any grammatical or formatting errors.

On Feb 23, 2017, at 6:38 PM, Dave McAllister davemcallister@hotmail.com [CloudSDR] <CloudSDR@yahoogroups.com> wrote:

Hans,

It is still up, and showing a Q4 2017 release date, but not visible in the top menu for some reason.

http://rfspace.com/RFSPACE/CloudSDR.html

I am curious as to the expected price point.

Dave

Sent from my Samsung Galaxy smartphone.

-------- Original message --------
From: "'Hans v Alphen' h.v.alphen@... [CloudSDR]" <CloudSDR@yahoogroups.com>
Date: 2017-02-23 2:41 PM (GMT-08:00)
To: CloudSDR@yahoogroups.com
Subject: [CloudSDR] Cloud SDR

Hello,

For quite some long time I am waiting for RFSPACE to lauch the new Cloud SDR. Just checked the RF Space website and now I see it's no longer mentioned on the website.
What should I think about this, I the lauch delayed and how much or is the whole product deleted.

Anyone with some info on this. Wanted to buy this one and expected it as stated on the RF Space website last quarter of 2016. What is going on.

Hans PA0EHG

189. Modes - ECSS LSB

Yahoo group: CloudSDR
Date: 2017-03-31 12:42:59 UTC
From: u869@...
Topic: 189 Message: 189

Hello:
I am new to the group and to the Cloud IQ SDR. I am enjoying the devices and learning all the capabilities, utilizing SDR-Console as the interface.

One thing I would like to resolve is an audio issue with ECSS mode. My previous experience was with the SDR Play and the ECSS Mode worked well I thought. For example, Overcomer Ministries was 24-hours on 9.395 MHZ and made it difficult to copy Radio Thailand just 5 khz down at 9.390. Time on that English language program was 12.30 UTC. Switching to ECSS LSB was effective in the extreme in allowing a full and clear copy without the QRM in the AM mode

So far, I am not having the same success with this Mode selection on the Cloud IQ. I get a high pitch whine as if the mode is unable to achieve a "lock" on the signal. The pitch changes and I am unable to get a lock on Radio Thailand and no clear signal. Going to LSB mode is a compromise and I can copy the station.

This is true for both SDR--Console V2.3 and V3.

Has anyone had a similar experience where the SDR Play provided superior result in this mode?
Perhaps I have to set this mode up properly in the Cloud IQ

Thanks
Herb

190. RE: [CloudSDR] Modes - ECSS LSB

Yahoo group: CloudSDR
Date: 2017-03-31 21:11:15 UTC
From: Simon Brown
Topic: 189 Message: 190

Herb,

Post a screenshot so I can see what you're doing. Use V3 if possible.

Simon Brown, G4ELI
http://sdr-radio.com

From: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Sent: 31 March 2017 13:43
To: CloudSDR@yahoogroups.com
Subject: [CloudSDR] Modes - ECSS LSB

Hello:

I am new to the group and to the Cloud IQ SDR. I am enjoying the devices and learning all the capabilities, utilizing SDR-Console as the interface.

One thing I would like to resolve is an audio issue with ECSS mode. My previous experience was with the SDR Play and the ECSS Mode worked well I thought. For example, Overcomer Ministries was 24-hours on 9.395 MHZ and made it difficult to copy Radio Thailand just 5 khz down at 9.390. Time on that English language program was 12.30 UTC. Switching to ECSS LSB was effective in the extreme in allowing a full and clear copy without the QRM in the AM mode

So far, I am not having the same success with this Mode selection on the Cloud IQ. I get a high pitch whine as if the mode is unable to achieve a "lock" on the signal. The pitch changes and I am unable to get a lock on Radio Thailand and no clear signal. Going to LSB mode is a compromise and I can copy the station.

This is true for both SDR--Console V2.3 and V3.

Has anyone had a similar experience where the SDR Play provided superior result in this mode?

Perhaps I have to set this mode up properly in the Cloud IQ

Thanks

Herb

191. Re: Modes - ECSS LSB

Yahoo group: CloudSDR
Date: 2017-03-31 21:12:19 UTC
From: bjarne.mjelde@...
Topic: 189 Message: 191

It's a software issue rather than a hardware issue, so maybe you should as the question in the SDR Console group. I for one, only use SpectraVue with my RF Space receivers. The whine may be because the bandwidth you're using is too broad.

Bjarne Mjelde
arcticdx.blogspot.com

192. RE: [CloudSDR] Modes - ECSS LSB

Yahoo group: CloudSDR
Date: 2017-04-05 12:22:13 UTC
From: u869@...
Topic: 189 Message: 192
Attachments: 1 described; binary payloads are missing from this source WARC

Thanks, Simon: In the screenshot, 9.395 MHZ is Overcomer Ministries crowding out Radio Thailand on 9.390 MHZ. I have had success in the past with the with the SDR-Play using ECSS - LSB bring in Thailand with a pretty good and very intelligible signal.
Here with the new Cloud-IQ, I am getting a heterodyne as if the receiver mode can't obtain a "lock". The pitch of the heterodyne changes, up and down. I can go to LSB Mode and get a usable signal but no where near what the ECSS-LSB provided previously.

This is both v2.3 and v.3 which leads me to wonder about my settings.
Thanks for taking a peek,
Herb
N2GEW

193. RE: [CloudSDR] Modes - ECSS LSB [1 Attachment]

Yahoo group: CloudSDR
Date: 2017-04-06 06:31:48 UTC
From: Simon Brown
Topic: 189 Message: 193

Herb,

It looks like a very fine central spur is present, maybe that’s what you are hearing?

You can use the Notch filter to remove a heterodyne.

Simon Brown, G4ELI
http://sdr-radio.com

From: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Sent: 05 April 2017 13:22
To: CloudSDR@yahoogroups.com
Subject: RE: [CloudSDR] Modes - ECSS LSB [1 Attachment]

Thanks, Simon:

In the screenshot, 9.395 MHZ is Overcomer Ministries crowding out Radio Thailand on 9.390 MHZ. I have had success in the past with the with the SDR-Play using ECSS - LSB bring in Thailand with a pretty good and very intelligible signal.

Here with the new Cloud-IQ, I am getting a heterodyne as if the receiver mode can't obtain a "lock". The pitch of the heterodyne changes, up and down. I can go to LSB Mode and get a usable signal but no where near what the ECSS-LSB provided previously.

This is both v2.3 and v.3 which leads me to wonder about my settings.

Thanks for taking a peek,

Herb

N2GEW

194. Newbie question regarding raw I/Q mode

Yahoo group: CloudSDR
Date: 2017-04-25 10:26:15 UTC
From: Graham Alston
Topic: 194 Message: 194

Hi I am new to the group and to CloudIQ, so I hope my question is not too annoying hi hi!

I want to connect the Cloud I/Q device to the IF output of an Elecraft K3S HF transceiver at a remote location. The IF frequency is 8.215MHz.

There is a good internet connection of about 30Mbps at the remote site.

I want to receive raw I/Q data at home and use CWSkimmer software that uses an I/Q audio device to display decoded morse signals.

From my understanding, the Cloud-IQ Client can receive the raw I/Q data with limited bandwidth and display a graph. I would need this to be available as a Virtual Audio Channel in order to use CWSkimmer. Is my understanding correct? and if so how would I get the I/Q data into the VAC?

Thanks for your help.

Graham VK3GA

195. Re: [CloudSDR] Newbie question regarding raw I/Q mode

Yahoo group: CloudSDR
Date: 2017-04-26 14:31:55 UTC
From: Greg Ella
Topic: 194 Message: 195

Hi Graham,

I have never used CWSkimmer, but it apparently can accept an audio input of up to 3 KHz and decode/display all the CW in that width, or it can accept a wide band I/Q input.

The CloudIQ runs in two different modes, an I/Q mode where the I/Q streams are routed via Ethernet over the Local Area Network, and Cloud mode. In Cloud Mode, FFT processing and audio demodulation occur inside the device, and compressed data is then sent out via a built in server. I do not think that unprocessed I/Q data is sent out in Cloud Mode.

For your application, you could use the Remote SDR Client, set it to USB, and use the free VB Cable to patch audio into CWSkimmer. If this works, try widening the demod bandwidth, and see how wide you can go.

If this does not get you a wide enough bandwidth, you might need to run CWSkimmer on a computer located at your remote site. If you do this, you can use a less expensive SDR such as SDR Play.

Is your remote K3S receive only or transceive? If it is receive only and you already have a CloudIQ, you might find that using just the CloudIQ as a receiver works just as well.

Greg Ella

AD0JP

On Tue, Apr 25, 2017 at 4:26 AM, Graham Alston graham@...
[CloudSDR] <CloudSDR@yahoogroups.com> wrote:

>
>
> Hi I am new to the group and to CloudIQ, so I hope my question is not too
> annoying hi hi!
>
> I want to connect the Cloud I/Q device to the IF output of an Elecraft K3S
> HF transceiver at a remote location. The IF frequency is 8.215MHz.
>
> There is a good internet connection of about 30Mbps at the remote site.
>
> I want to receive raw I/Q data at home and use CWSkimmer software that
> uses an I/Q audio device to display decoded morse signals.
>
> From my understanding, the Cloud-IQ Client can receive the raw I/Q data
> with limited bandwidth and display a graph. I would need this to be
> available as a Virtual Audio Channel in order to use CWSkimmer. Is my

> understanding correct? and if so how would I get the I/Q data into the VAC?
>
> Thanks for your help.
>
> Graham VK3GA
>
>

196. Re: [CloudSDR] Newbie question regarding raw I/Q mode

Yahoo group: CloudSDR
Date: 2017-04-27 03:02:32 UTC
From: Graham Alston
Topic: 194 Message: 196

Thanks Greg for your reply.

According the RemoteSDRclient Setup Guide v1.08 on page 10 there is a “RAW I/Q” mode with a selection of 6 different sample rates. I’m not sure whether this is running in I/Q Mode or Cloud Mode, but either way this is what I want I believe.

Has anybody used the raw mode? Can it be converted to a stereo VAC audio device?

I am trying not to use a PC at the remote site.

The K3S is a transceiver with a RX-only IF output.

I have sent these questions to rfspace 6 days ago but I have had no reply.

Graham

197. Re: [CloudSDR] Newbie question regarding raw I/Q mode

Yahoo group: CloudSDR
Date: 2017-04-27 11:56:43 UTC
From: RFSPACE
Topic: 194 Message: 197

Graham,

This would work if the RemoteSDR client was able to output IQ audio when in RAW mode. The CWSkimmer would be in the Softrock IQ mode. This audio output is not implemented, but might ve doable. I need to ask Moe how hard it would be. It would be limited to 16 kHz. SpectraVue outputs the IQ to audio in the slower sample rates and maybe your internet connection might support it. The CloudIQ would have to be in IQ mode and you would want to be in 16 bit mode at the low rates. It is worth a try.

Pieter

Please excuse any grammatical or formatting errors.

> On Apr 26, 2017, at 11:02 PM, Graham Alston graham@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
> Thanks Greg for your reply.
>
> According the RemoteSDRclient Setup Guide v1.08 on page 10 there is a “RAW I/Q” mode with a selection of 6 different sample rates. I’m not sure whether this is running in I/Q Mode or Cloud Mode, but either way this is what I want I believe.
>
> Has anybody used the raw mode? Can it be converted to a stereo VAC audio device?
>
> I am trying not to use a PC at the remote site.
>
> The K3S is a transceiver with a RX-only IF output.
>
> I have sent these questions to rfspace 6 days ago but I have had no reply.
>
> Graham
>
>

198. Re: [CloudSDR] Newbie question regarding raw I/Q mode

Yahoo group: CloudSDR
Date: 2017-04-27 15:02:11 UTC
From: Greg Ella
Topic: 194 Message: 198

Hi Graham,

I think that in Raw mode it is only passing waterfall and spectrum display graphics, and that no demodulation or forwarding of I/Q packets is occurring. If you don't already have a Cloud-IQ, you can still download the free remote client and connect to one of the online radios, including mine, to experiment. I think that if you want to skim a wide segment of a band, more than 48 KHz, you are going to have to have a computer running CWSkimmer at the remote site.

Greg
AD0JP

On Thu, Apr 27, 2017 at 5:56 AM, RFSPACE rfspace@... [CloudSDR] <
CloudSDR@yahoogroups.com> wrote:

>
>
> Graham,
>
> This would work if the RemoteSDR client was able to output IQ audio when
> in RAW mode. The CWSkimmer would be in the Softrock IQ mode. This audio
> output is not implemented, but might ve doable. I need to ask Moe how hard
> it would be. It would be limited to 16 kHz.
> SpectraVue outputs the IQ to audio in the slower sample rates and maybe
> your internet connection might support it. The CloudIQ would have to be in
> IQ mode and you would want to be in 16 bit mode at the low rates. It is
> worth a try.
>
> Pieter
>
>
> Please excuse any grammatical or formatting errors.
>
> On Apr 26, 2017, at 11:02 PM, Graham Alston graham@...
> [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
>
>
> Thanks Greg for your reply.
>
> According the RemoteSDRclient Setup Guide v1.08 on page 10 there is a “RAW
> I/Q” mode with a selection of 6 different sample rates. I’m not sure
> whether this is running in I/Q Mode or Cloud Mode, but either way this is
> what I want I believe.
>

> Has anybody used the raw mode? Can it be converted to a stereo VAC audio
> device?
>
> I am trying not to use a PC at the remote site.
>
> The K3S is a transceiver with a RX-only IF output.
>
> I have sent these questions to rfspace 6 days ago but I have had no reply.
>
> Graham
>
>
>

199. Re: [CloudSDR] Newbie question regarding raw I/Q mode

Yahoo group: CloudSDR
Date: 2017-04-28 02:10:53 UTC
From: graham@...
Topic: 194 Message: 199

Hi Pieter

Thanks for your reply.

I am trying to avoid using a PC at the remote site, which would be required if using SpectraVue.

Ideally selectable bandwidths 4,8,12,16kHz would be good to control WAN bandwidth.

Hopefully Moe can implement something. There are a lot of us using remote stations that are stuck with 3kHz audio streams for CW decoding, and to be able to get 16kHz would be magical!

How does the data flow start? Is it just by launching the Client software?

Thanks,
Graham

200. #0085

Yahoo group: CloudSDR
Date: 2017-05-18 12:27:14 UTC
From: svennam@...
Topic: 200 Message: 200

I am selling my Cloud-IQ #0085, the «Sotra SDR» on trial because of heavy QRN.
Very content with it though as well as the network of receivers.
Thanks to all.
NOK 6000,- excluding freight& taxes but will consider offers.
Also selling 3 other receivers, see the DXLC Facebook Group for May 16th:
https://www.facebook.com/groups/167535184574/
https://www.facebook.com/groups/167535184574/

Svenn Martinsen

201. RFI / Signal Spurs - Router/Ethernet/Cat 5 cables

Yahoo group: CloudSDR
Date: 2017-06-03 12:09:42 UTC
From: u869@...
Topic: 201 Message: 201
Attachments: 3 described; binary payloads are missing from this source WARC

Greetings to everyone.
I have noticed an annoying set of "birdies" that show up in wide swaths of various HF bands with great consistency. As you can see from the attached screenshots, the emission is continuous and replicates every 61 khz.
Antenna 1 is a Wellbrook ALA 1530 and you see at least 4 distinct "birdies" show up across about 1 khz of spectrum. When I switch over to Antenna 2, the Radio Works Carolina Windom 80, the two interior birdies disappear leaving only the two outside signals.
Some research and references to this approx. 60 khz phenomena points to the spurs being related to the network: perhaps the router, an Asus RT-AC88U. I am cautioned about simply replacing the existing ethernet cables with upscale Cat 7 "shielded" cables: sounds like a plan but probably too easy to solve the issue.
Of course, the RF Space being a network based SDR prohibits a simple unplugging of the cable to verify the source.
If nothing else, I thought the group would find this interesting. Any thoughts would be appreciated.

Best
Herb

202. Re: [CloudSDR] RFI / Signal Spurs - Router/Ethernet/Cat 5 cables [3 Attachments]

Yahoo group: CloudSDR
Date: 2017-06-03 13:38:21 UTC
From: Greg Ella
Topic: 201 Message: 202

Same thing here. Our house was pre wired with cheap cat 5 unshielded cable. Switched over to running WiFi for almost everything, and replaced cables to Cloud-IQ and tower computer with good shielded cable. That helped a lot, and got rid of the spur on the 6 meter SSB calling frequency of 50.125 MHz. After upgrading to shielded cable, you might also try clamp on ferrites.

Greg Ella

AD0JP

On Sat, Jun 3, 2017 at 6:09 AM, u869@... [CloudSDR] <
CloudSDR@yahoogroups.com> wrote:

>
>
> Greetings to everyone.
>
> I have noticed an annoying set of "birdies" that show up in wide swaths of
> various HF bands with great consistency. As you can see from the attached
> screenshots, the emission is continuous and replicates every 61 khz.
>
> Antenna 1 is a Wellbrook ALA 1530 and you see at least 4 distinct
> "birdies" show up across about 1 khz of spectrum. When I switch over to
> Antenna 2, the Radio Works Carolina Windom 80, the two interior birdies
> disappear leaving only the two outside signals.
>
> Some research and references to this approx. 60 khz phenomena points to
> the spurs being related to the network: perhaps the router, an Asus
> RT-AC88U. I am cautioned about simply replacing the existing ethernet
> cables with upscale Cat 7 "shielded" cables: sounds like a plan but
> probably too easy to solve the issue.
>
> Of course, the RF Space being a network based SDR prohibits a simple
> unplugging of the cable to verify the source.
>
> If nothing else, I thought the group would find this interesting. Any
> thoughts would be appreciated.
>
>
> Best
>
> Herb
>
>

>

203. RE: [CloudSDR] RFI / Signal Spurs - Router/Ethernet/Cat 5 cables [3 Attachments]

Yahoo group: CloudSDR
Date: 2017-06-03 14:31:15 UTC
From: Simon Brown
Topic: 201 Message: 203

Herb,

What cables do you have at the moment? Are you able to run on a laptop, power down the network and slowly bring up PCs, routers etc to find the bad one?

Simon Brown, G4ELI
http://sdr-radio.com

From: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Sent: 03 June 2017 13:10
To: CloudSDR@yahoogroups.com
Subject: [CloudSDR] RFI / Signal Spurs - Router/Ethernet/Cat 5 cables [3 Attachments]

Greetings to everyone.

I have noticed an annoying set of "birdies" that show up in wide swaths of various HF bands with great consistency. As you can see from the attached screenshots, the emission is continuous and replicates every 61 khz.

Antenna 1 is a Wellbrook ALA 1530 and you see at least 4 distinct "birdies" show up across about 1 khz of spectrum. When I switch over to Antenna 2, the Radio Works Carolina Windom 80, the two interior birdies disappear leaving only the two outside signals.

Some research and references to this approx. 60 khz phenomena points to the spurs being related to the network: perhaps the router, an Asus RT-AC88U. I am cautioned about simply replacing the existing ethernet cables with upscale Cat 7 "shielded" cables: sounds like a plan but probably too easy to solve the issue.

Of course, the RF Space being a network based SDR prohibits a simple unplugging of the cable to verify the source.

If nothing else, I thought the group would find this interesting. Any thoughts would be appreciated.

Best

Herb

204. Re: RFI / Signal Spurs - Router/Ethernet/Cat 5 cables

Yahoo group: CloudSDR
Date: 2017-06-03 16:28:10 UTC
From: winston376@...
Topic: 201 Message: 204

Why are you afraid of upgrading the ethernet cables?? Facts... not opinions, please. In my testing, the quality of ethernet cables have a significant impact on the spurs emissions since the cables act as antennas. Alex

205. Re: Modes - ECSS LSB

Yahoo group: CloudSDR
Date: 2017-06-03 16:31:40 UTC
From: winston376@...
Topic: 189 Message: 205

Bjarne, Tried searching for the 'SDR Console Group' but was unsuccessful.....where is the group located? Thanks. Alex

206. RE: [CloudSDR] Re: Modes - ECSS LSB

Yahoo group: CloudSDR
Date: 2017-06-03 17:27:27 UTC
From: Simon Brown
Topic: 189 Message: 206

https://groups.yahoo.com/neo/groups/sdr-radio-com/info

Simon Brown, G4ELI
http://sdr-radio.com

From: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Sent: 03 June 2017 17:32
To: CloudSDR@yahoogroups.com
Subject: [CloudSDR] Re: Modes - ECSS LSB

Bjarne, Tried searching for the 'SDR Console Group' but was unsuccessful.....where is the group located? Thanks. Alex

207. RE: [CloudSDR] Re: Modes - ECSS LSB

Yahoo group: CloudSDR
Date: 2017-06-03 17:46:47 UTC
From: Simon Brown
Topic: 189 Message: 207

Assuming, of course, that this is the group you’re after. There are quite a few SDR Consoles.

Simon Brown, G4ELI
http://sdr-radio.com

From: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Sent: 03 June 2017 18:27
To: CloudSDR@yahoogroups.com
Subject: RE: [CloudSDR] Re: Modes - ECSS LSB

https://groups.yahoo.com/neo/groups/sdr-radio-com/info

Simon Brown, G4ELI
http://sdr-radio.com

From: CloudSDR@yahoogroups.com <mailto:CloudSDR@yahoogroups.com>
[mailto:CloudSDR@yahoogroups.com]
Sent: 03 June 2017 17:32
To: CloudSDR@yahoogroups.com <mailto:CloudSDR@yahoogroups.com>
Subject: [CloudSDR] Re: Modes - ECSS LSB

Bjarne, Tried searching for the 'SDR Console Group' but was unsuccessful.....where is the group located? Thanks. Alex

208. Re: RFI / Signal Spurs - Router/Ethernet/Cat 5 cables

Yahoo group: CloudSDR
Date: 2017-06-04 14:16:34 UTC
From: u869@...
Topic: 201 Message: 208

Hello: I sincerely thank everyone for the assistance. I will begin the process of trying to identify the
source and report back.

It's not that I am "afraid" to replace the standard Cat 5 cables with shielded cables (currently finding Tera Grand Cat 7 double shielded cables readily available in all needed lengths). I already replaced a 7' ethernet cable from the router to the IQ. It's simply that it's such an easy fix for me that "Murphy"s Law" prevents me from believing that will solve the issue. But I will proceed anyway on the advice from here.

It's interesting to me that the active loop is more susceptible (or picks up additional spurs) over the wire antenna. I need to consider the amplifier and wall wart for this box since it sits adjacent to the entire shack. Maybe ferrites on the feed line and the 50-ohm BNC-Male to SMA-Male patch cable to the IQ as well. I didn't consider this would be an issue when I set up the Wellbrook antenna.

I can (and do) run the laptop with SDR-Console V3 installed, but I at minimum need a network and the router plugged to the IQ. But I could "unplug" everything else: computers, switches, printers, etc.

Or an SDR-Play which is USB so then the network would not be needed. I would rather not buy one to troubleshoot this issue.

Thanks,
Herb

209. RE: [CloudSDR] Re: Modes - ECSS LSB

Yahoo group: CloudSDR
Date: 2017-06-04 17:18:27 UTC
From: winston376@...
Topic: 189 Message: 209

Thankyou Simon. Alex

210. Re: RFI / Signal Spurs - Router/Ethernet/Cat 5 cables

Yahoo group: CloudSDR
Date: 2017-06-05 14:57:03 UTC
From: winston376@...
Topic: 201 Message: 210

Herb.

Typically in this kind of EMI/RFI there is no single 'magic bullet' that will solve ALL of the problem. The approach usually is to attack and remediate the highest or most numerous EMI issue that you are interested in and then sequentially solve the remaining issues in a step wise fashion. Changing the Cat cables is considered 'low hanging fruit' from the standpoint of ease of remedy. Changing the wall warts from the cheap switching type to transformer linear types is another level. Adding ferrite "Prayer Beads" is another level but may or may not affect the EMI but is a reasonable next step.

As for the SDRPlay, RSP hardware, you get what you pay for. I purchased one of them last year and returned it within 3 days back to HRO because it did not meet my requirements and was exceptionally bad as far as dynamic range, IMD, spurs etc.

As for the antenna, outside and the farther away from the building, power lines, cable lines etc., the less you will pick up crud.
A

211. Re: RFI / Signal Spurs - Router/Ethernet/Cat 5 cables

Yahoo group: CloudSDR
Date: 2017-06-06 02:58:15 UTC
From: bjarne.mjelde@...
Topic: 201 Message: 211

Since you mentioned the Asus router in your first post, you should check its PSU as well. In the specs I found it's 19VDC instead of the "normal" 12VDC, so maybe not as easy to replace with a linear power. But any switching PSU may be a source for RFI.

Bjarne Mjelde
arcticdx.blogspot.com

212. Cloud-IQ Power Supply questions

Yahoo group: CloudSDR
Date: 2017-06-06 15:16:05 UTC
From: winston376@...
Topic: 212 Message: 212

Pieter:
While we're on the subject of EMI/RFI, Have some time to do some spur reduction on my own Cloud-IQ and have a couple PS questions as follows:

1) What is the minimum and the maximum voltage that can be applied to the 5.0 VDC supply port?

2) Does the Cloud-IQ have an internal PS regulator and what is the internal bus voltage value that it internally regulates to?

Need to know since I have a linear wall wart that has switchable voltages and don’t want to damage the SDR. Alternatively, may run a test with battery power.

Thanks in advance.

Alex

213. Re: [CloudSDR] Cloud-IQ Power Supply questions

Yahoo group: CloudSDR
Date: 2017-06-06 15:32:41 UTC
From: RFSPACE
Topic: 212 Message: 213

Alex,

Everything is regulated to 3.3V. Need to check current, but it is less than 1 amp. If you feed it too much voltage, It will protect itself and disconnect at around 5.75V if I recall. Very hard to kill it. Feed it 12V and it will turn off and not get damaged. Done that before.

Pieter

Please excuse any grammatical or formatting errors.

> On Jun 6, 2017, at 11:16 AM, winston376@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
> Pieter:
>
> While we're on the subject of EMI/RFI, Have some time to do some spur reduction on my own Cloud-IQ and have a couple PS questions as follows:
>
>
>
> 1) What is the minimum and the maximum voltage that can be applied to the 5.0 VDC supply port?
>
>
>
> 2) Does the Cloud-IQ have an internal PS regulator and what is the internal bus voltage value that it internally regulates to?
>
>
>
> Need to know since I have a linear wall wart that has switchable voltages and don’t want to damage the SDR. Alternatively, may run a test with battery power.
>
>
>
> Thanks in advance.
>
>
>
> Alex
>
>
>
>
>
>

214. Re: [CloudSDR] Cloud-IQ Power Supply questions

Yahoo group: CloudSDR
Date: 2017-06-06 16:09:32 UTC
From: winston376@...
Topic: 212 Message: 214

Pieter:

Thank you for the info. Very nice PS design architecture. It looks like I'll be doing some PS checkouts this afternoon.

Best regards.

Alex

215. no signals?!

Yahoo group: CloudSDR
Date: 2017-07-12 01:08:23 UTC
From: gregzobatar@...
Topic: 215 Message: 215

Hi all;

I am a SDR newbie, with a brand new CloudIQ radio. I spent some time playing with the SpectraVue software this afternoon, and although the display shows static and the PC speakers indeed emit radio static; I cannot find any transmitting signals - in the ham bands or even when I tuned in to local AM broadcast frequencies. Any suggestions where to start troubleshooting - does RFSpace have a support desk? I haven't found anything yet that addresses my problem with the relatively new CloudIQ radio. I purchased it to create a panadapter for my Yaesu FT-2000 amateur radio station.

Thanx; Greg VE6WR

216. no signals?!

Yahoo group: CloudSDR
Date: 2017-07-12 01:16:01 UTC
From: gregzobatar@...
Topic: 215 Message: 216

Hi all;

I am a SDR newbie, with a brand new CloudIQ radio. I spent some time playing with the SpectraVue software this afternoon, and although the display shows static and the PC speakers indeed emit radio static; I cannot find any transmitting signals - in the ham bands or even when I tuned in to local AM broadcast frequencies. Any suggestions where to start troubleshooting - does RFSpace have a support desk? I haven't found anything yet that addresses my problem with the relatively new CloudIQ radio. I purchased it to create a panadapter for my Yaesu FT-2000 amateur radio station.

I am using a laptop with Windoze 7 and the antennas I tried were a Butternut vertical and a simple horizontal dipole, this afternoon. SpectraVue version 3.39

Thanx; Greg VE6WR

217. Re: [CloudSDR] no signals?!

Yahoo group: CloudSDR
Date: 2017-07-12 10:42:13 UTC
From: Everett Sharp
Topic: 215 Message: 217

Greg,

The better software to use is SDR Console http://sdr-radio.com/
There is also a support group on Yahoo.

Everett N4CY

Sent from my iPad

> On Jul 11, 2017, at 8:08 PM, gregzobatar@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
> Hi all;
>
> I am a SDR newbie, with a brand new CloudIQ radio. I spent some time playing with the SpectraVue software this afternoon, and although the display shows static and the PC speakers indeed emit radio static; I cannot find any transmitting signals - in the ham bands or even when I tuned in to local AM broadcast frequencies. Any suggestions where to start troubleshooting - does RFSpace have a support desk? I haven't found anything yet that addresses my problem with the relatively new CloudIQ radio. I purchased it to create a panadapter for my Yaesu FT-2000 amateur radio station.
>
> Thanx; Greg VE6WR
>
>
>
>

218. Re: no signals?!

Yahoo group: CloudSDR
Date: 2017-07-12 15:31:04 UTC
From: winston376@...
Topic: 215 Message: 218

Did you appropriately checkbox the correct antenna selection in one of the software tabs? IF and RF gain selection? A.

219. Re: [CloudSDR] no signals?!

Yahoo group: CloudSDR
Date: 2017-07-12 15:00:00 UTC
From: Greg Ella
Topic: 215 Message: 219

Hi Greg,

The CloudIQ is very sensitive, and even if you have all of the attenuation selected, it should easily show AM Broadcast Band signals. Here is a suggested check list :

1. Using the Cloud Setup utility, verify that the radio is in IQ mode, not Cloud mode.

2. Do not connect your radio directly to your computer. Connect it to a router or Ethernet switch, and then connect your computer to that device.

3. In Spectravue, be sure that your input device is CloudIQ. Under the CloudIQ Setup tab at the top of Spectravue, use the "Find" button on the right to find your device. Select 100 KHz of band width, to start, and select the antenna input port that you have an antenna connected to.

4. Close the menus and enter a local AM BCB station in Spectravue. Click start. Select AM for your demod mode. Check the box that says "Demod On".

That should have you up and running. If that does not work, and you have high speed Internet, you can put your radio in Cloud Mode, put it on line, open port 50,000 on your router, and I can connect to your radio and try it.

Greg
AD0JP

On Tue, Jul 11, 2017 at 7:16 PM, gregzobatar@... [CloudSDR] <
CloudSDR@yahoogroups.com> wrote:

>
>
>
> Hi all;
>
> I am a SDR newbie, with a brand new CloudIQ radio. I spent some time
> playing with the SpectraVue software this afternoon, and although the
> display shows static and the PC speakers indeed emit radio static; I cannot
> find any transmitting signals - in the ham bands or even when I tuned in to
> local AM broadcast frequencies. Any suggestions where to start
> troubleshooting - does RFSpace have a support desk? I haven't found
> anything yet that addresses my problem with the relatively new CloudIQ
> radio. I purchased it to create a panadapter for my Yaesu FT-2000 amateur
> radio station.
>
>
> I am using a laptop with Windoze 7 and the antennas I tried were a

> Butternut vertical and a simple horizontal dipole, this afternoon.
> SpectraVue version 3.39
>
>
> Thanx; Greg VE6WR
>
>
>
>
>

220. Re: [CloudSDR] no signals?!

Yahoo group: CloudSDR
Date: 2017-07-12 23:14:37 UTC
From: winston376@...
Topic: 215 Message: 220

?? " 2. Do not connect your radio directly to your computer. Connect it to a router or Ethernet switch, and then connect your computer to that device. " ??

Mine is connected directly to the network ethernet connector on the back of my pc and works well on my setup as a panadapter to icom rig.
A.

221. Re: [CloudSDR] no signals?!

Yahoo group: CloudSDR
Date: 2017-07-13 06:33:09 UTC
From: gregzobatar@...
Topic: 215 Message: 221

Hello to all in my thread;

Before I stopped for the evening, I did in fact stumble across http://sdr-radio.com/ http://sdr-radio.com/ and ran the V2 software kit - voila! up and running with little to no intervention on my part - I was tuning in WWV as well as local AM broadcast stations. Thank you for everyone's help, and I'll check out the configs on the dual antenna inputs too... The ethernet configs were fine as far as I could tell, using DHCP with my router and device(s).

Yes SpectraVue pales when compared with SDR-radio! Ultimately, as a ham operator I'm looking to using the SDR as a panadapter with my Yaesu FT-2000 and the N4PY rig control software. The possibilities though for this little box of magic are slowing dawning on me as I wander the web pages. I really appreciate the wisdom and fraternity of those that give back to the community through this user group.

tnx es 73; Greg VE6WR

---In CloudSDR@yahoogroups.com, <winston376@...> wrote :

?? " 2. Do not connect your radio directly to your computer. Connect it to a router or Ethernet switch, and then connect your computer to that device. " ??

Mine is connected directly to the network ethernet connector on the back of my pc and works well on my setup as a panadapter to icom rig.
A.

222. Re: [CloudSDR] Digest Number 106

Yahoo group: CloudSDR
Date: 2017-07-13 02:39:25 UTC
From: Elwood Downey
Topic: 222 Message: 222

I connect using ethernet direct to my imac, seems to work great. What is
the reason for using an intermediary switch?

On Wed, Jul 12, 2017 at 18:23 <CloudSDR@yahoogroups.com> wrote:

> [image: Yahoo! Groups]
> <https://groups.yahoo.com/neo;_ylc=X3oDMTJlY2oyMXA4BF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzB
GdycHNwSWQDMTcwODM5NjM3OQRzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTQ5OTkwODk4Mg-->
> RFSPACE CloudSDR and Cloud-IQ Software Defined Radio Group
> <https://groups.yahoo.com/neo/groups/CloudSDR/info;_ylc=X3oDMTJldHI5Z2FzBF9TAzk3MzU5NzE1
BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRzZWMDaGRyBHNsawNocGgEc3RpbWUDMTQ5OTkwODk4Mg
-->
> 6 Messages
> Digest #106
> 1a
> no signals?! <#m_5820319966443889903_1a> by jerryvacant
> 1b
> no signals?! <#m_5820319966443889903_1b> by jerryvacant
> 1c
> Re: no signals?! <#m_5820319966443889903_1c> by "Everett Sharp"
> everettsharp74
> 1d
> Re: no signals?! <#m_5820319966443889903_1d> by winston376
> 1e
> Re: no signals?! <#m_5820319966443889903_1e> by "Greg Ella" greg_ella53
> 1f
> Re: no signals?! <#m_5820319966443889903_1f> by winston376
>
> Messages
> 1a no signals?!
> <https://groups.yahoo.com/neo/groups/CloudSDR/conversations/topics/215;_ylc=X3oDMTJxYTF2
bjNzBF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRtc2dJZAMyMTUEc2VjA2Rtc2
cEc2xrA3Ztc2cEc3RpbWUDMTQ5OTkwODk4Mg-->
> Wed Jul 12, 2017 3:36 am (PDT) . Posted by: jerryvacant
> <gregzobatar@...?subject=Re%3A%20no%20signals%3F%21>
> Hi all;
>
> I am a SDR newbie, with a brand new CloudIQ radio. I spent some time
> playing with the SpectraVue software this afternoon, and although the
> display shows static and the PC speakers indeed emit radio static; I cannot
> find any transmitting signals - in the ham bands or even when I tuned in to
> local AM broadcast frequencies. Any suggestions where to start
> troubleshooting - does RFSpace have a support desk? I haven't found
> anything yet that addresses my problem with the relatively new CloudIQ
> radio. I purchased it to create a panadapter for my Yaesu FT-2000 amateur

> radio station.
>
> Thanx; Greg VE6WR
>
>
> Reply to sender <gregzobatar@...?subject=Re%3A%20no%20signals%3F%21> .
> Reply to group
> <CloudSDR@yahoogroups.com?subject=Re%3A%20no%20signals%3F%21> . Reply via
> Web Post
> <https://groups.yahoo.com/neo/groups/CloudSDR/conversations/messages/215;_ylc=X3oDMTJxcz
RqdmZpBF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRtc2dJZAMyMTUEc2VjA2Rt
c2cEc2xrA3JwbHkEc3RpbWUDMTQ5OTkwODk4Mg--?act=reply&messageNum=215> .
> All Messages (6)
> <https://groups.yahoo.com/neo/groups/CloudSDR/conversations/topics/215;_ylc=X3oDMTM0ZDlt
MzFsBF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRtc2dJZAMyMTUEc2VjA2Rtc2
cEc2xrA3Z0cGMEc3RpbWUDMTQ5OTkwODk4MgR0cGNJZAMyMTU-> .
> Top ^ <#m_5820319966443889903_toc>
> 1b no signals?!
> <https://groups.yahoo.com/neo/groups/CloudSDR/conversations/topics/216;_ylc=X3oDMTJxODdl
amFoBF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRtc2dJZAMyMTYEc2VjA2Rtc2
cEc2xrA3Ztc2cEc3RpbWUDMTQ5OTkwODk4Mg-->
> Wed Jul 12, 2017 3:36 am (PDT) . Posted by: jerryvacant
> <gregzobatar@...?subject=Re%3A%20no%20signals%3F%21>
>
> Hi all;
>
> I am a SDR newbie, with a brand new CloudIQ radio. I spent some time
> playing with the SpectraVue software this afternoon, and although the
> display shows static and the PC speakers indeed emit radio static; I cannot
> find any transmitting signals - in the ham bands or even when I tuned in to
> local AM broadcast frequencies. Any suggestions where to start
> troubleshooting - does RFSpace have a support desk? I haven't found
> anything yet that addresses my problem with the relatively new CloudIQ
> radio. I purchased it to create a panadapter for my Yaesu FT-2000 amateur
> radio station.
>
>
> I am using a laptop with Windoze 7 and the antennas I tried were a
> Butternut vertical and a simple horizontal dipole, this afternoon.
> SpectraVue version 3.39
>
>
>
> Thanx; Greg VE6WR
>
>
>
>
>
> Reply to sender <gregzobatar@...?subject=Re%3A%20no%20signals%3F%21> .

> Reply to group
> <CloudSDR@yahoogroups.com?subject=Re%3A%20no%20signals%3F%21> . Reply via
> Web Post
> <https://groups.yahoo.com/neo/groups/CloudSDR/conversations/messages/216;_ylc=X3oDMTJxcmFqYjhoBF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRtc2dJZAMyMTYEc2VjA2Rtc2cEc2xrA3JwbHkEc3RpbWUDMTQ5OTkwODk4Mg--?act=reply&messageNum=216> .
> All Messages (6)
> <https://groups.yahoo.com/neo/groups/CloudSDR/conversations/topics/215;_ylc=X3oDMTM0YXNkNjlnBF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRtc2dJZAMyMTYEc2VjA2Rtc2cEc2xrA3Z0cGMEc3RpbWUDMTQ5OTkwODk4MgR0cGNJZAMyMTU-> .
> Top ^ <#m_5820319966443889903_toc>
> 1c Re: no signals?!
> <https://groups.yahoo.com/neo/groups/CloudSDR/conversations/topics/217;_ylc=X3oDMTJxc211MTQ0BF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRtc2dJZAMyMTcEc2VjA2Rtc2cEc2xrA3Ztc2cEc3RpbWUDMTQ5OTkwODk4Mg-->
> Wed Jul 12, 2017 3:24 pm (PDT) . Posted by: "Everett Sharp"
> everettsharp74 <everettsharp@...?subject=Re%3A%20no%20signals%3F%21>
> Greg,
>
> The better software to use is SDR Console http://sdr-radio.com/
> There is also a support group on Yahoo.
>
> Everett N4CY
>
> Sent from my iPad
>
> > On Jul 11, 2017, at 8:08 PM, gregzobatar@gmail.com [CloudSDR] <
> CloudSDR@yahoogroups.com> wrote:
> >
> > Hi all;
> >
> > I am a SDR newbie, with a brand new CloudIQ radio. I spent some time
> playing with the SpectraVue software this afternoon, and although the
> display shows static and the PC speakers indeed emit radio static; I cannot
> find any transmitting signals - in the ham bands or even when I tuned in to
> local AM broadcast frequencies. Any suggestions where to start
> troubleshooting - does RFSpace have a support desk? I haven't found
> anything yet that addresses my problem with the relatively new CloudIQ
> radio. I purchased it to create a panadapter for my Yaesu FT-2000 amateur
> radio station.
> >
> > Thanx; Greg VE6WR
> >
> >
> >
> >
> Reply to sender <everettsharp@...?subject=Re%3A%20no%20signals%3F%21> .
> Reply to group
> <CloudSDR@yahoogroups.com?subject=Re%3A%20no%20signals%3F%21> . Reply via
> Web Post

> <https://groups.yahoo.com/neo/groups/CloudSDR/conversations/messages/217;_ylc=X3oDMTJxam
5pZWwyBF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRtc2dJZAMyMTcEc2VjA2Rt
c2cEc2xrA3JwbHkEc3RpbWUDMTQ5OTkwODk4Mg--?act=reply&messageNum=217> .
> All Messages (6)
> <https://groups.yahoo.com/neo/groups/CloudSDR/conversations/topics/215;_ylc=X3oDMTM0cjhq
M3NuBF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRtc2dJZAMyMTcEc2VjA2Rtc2
cEc2xrA3Z0cGMEc3RpbWUDMTQ5OTkwODk4MgR0cGNJZAMyMTU-> .
> Top ^ <#m_5820319966443889903_toc>
> 1d Re: no signals?!
> <https://groups.yahoo.com/neo/groups/CloudSDR/conversations/topics/218;_ylc=X3oDMTJxNmtr
YTM1BF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRtc2dJZAMyMTgEc2VjA2Rtc2
cEc2xrA3Ztc2cEc3RpbWUDMTQ5OTkwODk4Mg-->
> Wed Jul 12, 2017 3:25 pm (PDT) . Posted by: winston376
> <winston376@...?subject=Re%3A%20no%20signals%3F%21>
> Did you appropriately checkbox the correct antenna selection in one of the
> software tabs? IF and RF gain selection? A.
> Reply to sender <winston376@...?subject=Re%3A%20no%20signals%3F%21> .
> Reply to group
> <CloudSDR@yahoogroups.com?subject=Re%3A%20no%20signals%3F%21> . Reply via
> Web Post
> <https://groups.yahoo.com/neo/groups/CloudSDR/conversations/messages/218;_ylc=X3oDMTJxdj
A0cWt2BF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRtc2dJZAMyMTgEc2VjA2Rt
c2cEc2xrA3JwbHkEc3RpbWUDMTQ5OTkwODk4Mg--?act=reply&messageNum=218> .
> All Messages (6)
> <https://groups.yahoo.com/neo/groups/CloudSDR/conversations/topics/215;_ylc=X3oDMTM0dWJk
N2lhBF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRtc2dJZAMyMTgEc2VjA2Rtc2
cEc2xrA3Z0cGMEc3RpbWUDMTQ5OTkwODk4MgR0cGNJZAMyMTU-> .
> Top ^ <#m_5820319966443889903_toc>
> 1e Re: no signals?!
> <https://groups.yahoo.com/neo/groups/CloudSDR/conversations/topics/219;_ylc=X3oDMTJxMmVm
MGhyBF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRtc2dJZAMyMTkEc2VjA2Rtc2
cEc2xrA3Ztc2cEc3RpbWUDMTQ5OTkwODk4Mg-->
> Wed Jul 12, 2017 3:25 pm (PDT) . Posted by: "Greg Ella" greg_ella53
> <gregella53@gmail.com?subject=Re%3A%20no%20signals%3F%21>
> Hi Greg,
>
> The CloudIQ is very sensitive, and even if you have all of the attenuation
> selected, it should easily show AM Broadcast Band signals. Here is a
> suggested check list :
>
> 1. Using the Cloud Setup utility, verify that the radio is in IQ mode, not
> Cloud mode.
>
> 2. Do not connect your radio directly to your computer. Connect it to a
> router or Ethernet switch, and then connect your computer to that device.
>
> 3. In Spectravue, be sure that your input device is CloudIQ. Under the
> CloudIQ Setup tab at the top of Spectravue, use the "Find" button on the
> right to find your device. Select 100 KHz of band width, to start, and
> select the antenna input port that you have an antenna connected to.

>
> 4. Close the menus and enter a local AM BCB station in Spectravue. Click
> start. Select AM for your demod mode. Check the box that says "Demod On".
>
> That should have you up and running. If that does not work, and you have
> high speed Internet, you can put your radio in Cloud Mode, put it on line,
> open port 50,000 on your router, and I can connect to your radio and try
> it.
>
> Greg
> AD0JP
>
> On Tue, Jul 11, 2017 at 7:16 PM, gregzobatar@... [CloudSDR] <
> CloudSDR@...m> wrote:
>
> >
> >
> >
> > Hi all;
> >
> > I am a SDR newbie, with a brand new CloudIQ radio. I spent some time
> > playing with the SpectraVue software this afternoon, and although the
> > display shows static and the PC speakers indeed emit radio static; I
> cannot
> > find any transmitting signals - in the ham bands or even when I tuned in
> to
> > local AM broadcast frequencies. Any suggestions where to start
> > troubleshooting - does RFSpace have a support desk? I haven't found
> > anything yet that addresses my problem with the relatively new CloudIQ
> > radio. I purchased it to create a panadapter for my Yaesu FT-2000 amateur
> > radio station.
> >
> >
> > I am using a laptop with Windoze 7 and the antennas I tried were a
> > Butternut vertical and a simple horizontal dipole, this afternoon.
> > SpectraVue version 3.39
> >
> >
> > Thanx; Greg VE6WR
> >
> >
> >
> >
> >
> Reply to sender <gregella53@...?subject=Re%3A%20no%20signals%3F%21> .
> Reply to group
> <CloudSDR@yahoogroups.com?subject=Re%3A%20no%20signals%3F%21> . Reply via
> Web Post
> <https://groups.yahoo.com/neo/groups/CloudSDR/conversations/messages/219;_ylc=X3oDMTJxMW
JsYzRrBF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRtc2dJZAMyMTkEc2VjA2Rt

c2cEc2xrA3JwbHkEc3RpbWUDMTQ5OTkwODk4Mg--?act=reply&messageNum=219> .
> All Messages (6)
> <https://groups.yahoo.com/neo/groups/CloudSDR/conversations/topics/215;_ylc=X3oDMTM0N2dj
MGM1BF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRtc2dJZAMyMTkEc2VjA2Rtc2
cEc2xrA3Z0cGMEc3RpbWUDMTQ5OTkwODk4MgR0cGNJZAMyMTU-> .
> Top ^ <#m_5820319966443889903_toc>
> 1f Re: no signals?!
> <https://groups.yahoo.com/neo/groups/CloudSDR/conversations/topics/220;_ylc=X3oDMTJxcjRq
MGowBF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRtc2dJZAMyMjAEc2VjA2Rtc2
cEc2xrA3Ztc2cEc3RpbWUDMTQ5OTkwODk4Mg-->
> Wed Jul 12, 2017 5:10 pm (PDT) . Posted by: winston376
> <winston376@...?subject=Re%3A%20no%20signals%3F%21>
> ?? " 2. Do not connect your radio directly to your computer. Connect it to
> a router or Ethernet switch, and then connect your computer to that device.
> " ??
>
> Mine is connected directly to the network ethernet connector on the back
> of my pc and works well on my setup as a panadapter to icom rig.
> A.
> Reply to sender <winston376@...?subject=Re%3A%20no%20signals%3F%21> .
> Reply to group
> <CloudSDR@yahoogroups.com?subject=Re%3A%20no%20signals%3F%21> . Reply via
> Web Post
> <https://groups.yahoo.com/neo/groups/CloudSDR/conversations/messages/220;_ylc=X3oDMTJxMG
lyZmFtBF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRtc2dJZAMyMjAEc2VjA2Rt
c2cEc2xrA3JwbHkEc3RpbWUDMTQ5OTkwODk4Mg--?act=reply&messageNum=220> .
> All Messages (6)
> <https://groups.yahoo.com/neo/groups/CloudSDR/conversations/topics/215;_ylc=X3oDMTM0MmQ5
cjRwBF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRtc2dJZAMyMjAEc2VjA2Rtc2
cEc2xrA3Z0cGMEc3RpbWUDMTQ5OTkwODk4MgR0cGNJZAMyMTU-> .
> Top ^ <#m_5820319966443889903_toc>
> Visit Your Group
> <https://groups.yahoo.com/neo/groups/CloudSDR/info;_ylc=X3oDMTJmZGVoYW91BF9TAzk3MzU5NzE1
BGdycElkAzg4NDEwMTkzBGdycHNwSWQDMTcwODM5NjM3OQRzZWMDdnRsBHNsawN2Z2hwBHN0aW1lAzE0OTk5MDg5OD
I->
>
>
> [image: Yahoo! Groups]
> <https://groups.yahoo.com/neo;_ylc=X3oDMTJlY2oyMXA4BF9TAzk3MzU5NzE1BGdycElkAzg4NDEwMTkzB
GdycHNwSWQDMTcwODM5NjM3OQRzZWMDZnRyBHNsawNnZnAEc3RpbWUDMTQ5OTkwODk4Mg-->
> • Privacy <https://info.yahoo.com/privacy/us/yahoo/groups/details.html> •
> Unsubscribe <CloudSDR-unsubscribe@yahoogroups.com?subject=Unsubscribe> • Terms
> of Use <https://info.yahoo.com/legal/us/yahoo/utos/terms/>
>

223. Re: [CloudSDR] no signals?!

Yahoo group: CloudSDR
Date: 2017-07-13 17:50:34 UTC
From: everettsharp@...
Topic: 215 Message: 223

Greg,

Download the V3 version of SRD, it is even better than V2.

Everett N4CY

In a message dated 7/13/2017 12:04:22 P.M. Central Daylight Time,
CloudSDR@yahoogroups.com writes:

Hello to all in my thread;

Before I stopped for the evening, I did in fact stumble across
http://sdr-radio.com/ and ran the V2 software kit - voila! up and running with little
to no intervention on my part - I was tuning in WWV as well as local AM
broadcast stations. Thank you for everyone's help, and I'll check out the
configs on the dual antenna inputs too... The ethernet configs were fine as far
as I could tell, using DHCP with my router and device(s).

Yes SpectraVue pales when compared with SDR-radio! Ultimately, as a ham
operator I'm looking to using the SDR as a panadapter with my Yaesu FT-2000
and the N4PY rig control software. The possibilities though for this little
box of magic are slowing dawning on me as I wander the web pages. I really
appreciate the wisdom and fraternity of those that give back to the
community through this user g roup.

tnx es 73; Greg VE6WR

---In CloudSDR@yahoogroups.com, <winston376@...> wrote :

?? " 2. Do not connect your radio directly to your computer.
Connect it to a router or Ethernet switch, and then connect your computer to that
device. " ??

Mine is connected directly to the network ethernet connector on the back
of my pc and works well on my setup as a panadapter to icom rig.
A.

224. Re: [CloudSDR] no signals?!

Yahoo group: CloudSDR
Date: 2017-07-13 18:44:40 UTC
From: Greg Ella
Topic: 215 Message: 224

I had routing problems in the past with a NetSDR directly connected to a PC via Ethernet, while going through either a smart switch or router simply worked. I was trying to eliminate as many possible trouble points as possible and get VE6WR up and running.

AD0JP

On Thu, Jul 13, 2017 at 12:33 AM, gregzobatar@... [CloudSDR] <
CloudSDR@yahoogroups.com> wrote:

>
>
> Hello to all in my thread;
>
> Before I stopped for the evening, I did in fact stumble across
> http://sdr-radio.com/ and ran the V2 software kit - voila! up and running
> with little to no intervention on my part - I was tuning in WWV as well as
> local AM broadcast stations. Thank you for everyone's help, and I'll check
> out the configs on the dual antenna inputs too... The ethernet configs were
> fine as far as I could tell, using DHCP with my router and device(s).
>
> Yes SpectraVue pales when compared with SDR-radio! Ultimately, as a ham
> operator I'm looking to using the SDR as a panadapter with my Yaesu FT-2000
> and the N4PY rig control software. The possibilities though for this little
> box of magic are slowing dawning on me as I wander the web pages. I really
> appreciate the wisdom and fraternity of those that give back to the
> community through this user group.
>
> tnx es 73; Greg VE6WR
>
>
> ---In CloudSDR@yahoogroups.com, <winston376@...> wrote :
>
> ?? " 2. Do not connect your radio directly to your computer.
> Connect it to a router or Ethernet switch, and then connect your computer
> to that device. " ??
>
> Mine is connected directly to the network ethernet connector on the back
> of my pc and works well on my setup as a panadapter to icom rig.
> A.
>
>
>

225. RE: [CloudSDR] no signals?!

Yahoo group: CloudSDR
Date: 2017-07-13 18:54:25 UTC
From: Simon Brown
Topic: 215 Message: 225

Greg,

1. Try V3 – far better than V2 ☐
2. I suggest using the CloudSDR as the actual receiver, it should be a lot better than the Ft-2000.

Simon Brown, G4ELI
www.sdr-radio.com

From: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Sent: 13 July 2017 07:33
To: CloudSDR@yahoogroups.com
Subject: Re: [CloudSDR] no signals?!

Hello to all in my thread;

Before I stopped for the evening, I did in fact stumble across http://sdr-radio.com/ and ran the V2 software kit - voila! up and running with little to no intervention on my part - I was tuning in WWV as well as local AM broadcast stations. Thank you for everyone's help, and I'll check out the configs on the dual antenna inputs too... The ethernet configs were fine as far as I could tell, using DHCP with my router and device(s).

Yes SpectraVue pales when compared with SDR-radio! Ultimately, as a ham operator I'm looking to using the SDR as a panadapter with my Yaesu FT-2000 and the N4PY rig control software. The possibilities though for this little box of magic are slowing dawning on me as I wander the web pages. I really appreciate the wisdom and fraternity of those that give back to the community through this user group.

tnx es 73; Greg VE6WR

---In CloudSDR@yahoogroups.com <mailto:CloudSDR@yahoogroups.com> , <winston376@... <mailto:winston376@...> > wrote :

?? " 2. Do not connect your radio directly to your computer. Connect it to a router or Ethernet switch, and then connect your computer to that device. " ??

Mine is connected directly to the network ethernet connector on the back of my pc and works well on my setup as a panadapter to icom rig.

A.

226. Re: [CloudSDR] no signals?!

Yahoo group: CloudSDR
Date: 2017-07-13 21:15:07 UTC
From: bjarne.mjelde@...
Topic: 215 Message: 226

SpectraVue is anything but pale for those who have taken the time to dig beneath the surface :-)

Bjarne Mjelde
arcticdx.blogspot.com

227. Re: no signals?!

Yahoo group: CloudSDR
Date: 2017-07-14 05:38:21 UTC
From: Tapio Valli
Topic: 215 Message: 227

Agreed. SpectraVue is very good.

228. RE: [CloudSDR] no signals?!

Yahoo group: CloudSDR
Date: 2017-07-14 11:36:23 UTC
From: Simon Brown
Topic: 215 Message: 228

SpectraVue has some very, very fine engineering inside – Moe generously let me take a look at the source code.

Simon Brown, G4ELI
www.sdr-radio.com

From: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Sent: 13 July 2017 22:15
To: CloudSDR@yahoogroups.com
Subject: Re: [CloudSDR] no signals?!

SpectraVue is anything but pale for those who have taken the time to dig beneath the surface :-)

Bjarne Mjelde

arcticdx.blogspot.com

229. Re: [CloudSDR] Cloud-IQ Power Supply questions

Yahoo group: CloudSDR
Date: 2017-07-15 01:17:27 UTC
From: jlmetcalfe@...
Topic: 212 Message: 229

Wait a minute, I'm slightly confused. I'm currently powering a CloudIQ & two other SDRs at 5 volts from a linear power supply. Should I power the CloudIQ at 3.3 volts?

Jack Metcalfe

230. Re: [CloudSDR] Cloud-IQ Power Supply questions

Yahoo group: CloudSDR
Date: 2017-07-15 02:38:02 UTC
From: RFSPACE
Topic: 212 Message: 230

The radio is 5 volts, but will work lower.

Pieter

Please excuse any grammatical or formatting errors.

> On Jul 14, 2017, at 9:17 PM, jlmetcalfe@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
> Wait a minute, I'm slightly confused. I'm currently powering a CloudIQ & two other SDRs at 5 volts from a linear power supply. Should I power the CloudIQ at 3.3 volts?
>
> Jack Metcalfe
>

231. NetSDRx Specs

Yahoo group: CloudSDR
Date: 2017-08-02 02:20:12 UTC
From: jlmetcalfe@...
Topic: 231 Message: 231

Can somebody refresh my memory on the frequency range & modes of the NetSDRx (former CloudSDR)? I seem to remember coverage to 1.2 GHz...I think.

Jack Metcalfe

232. Re: NetSDRx Specs

Yahoo group: CloudSDR
Date: 2017-08-02 14:13:20 UTC
From: pbij2001@...
Topic: 231 Message: 232

Hi Jack,

See:
http://www.rfspace.com/RFSPACE/CloudSDR_files/CloudSDR_0v1.pdf
http://www.rfspace.com/RFSPACE/CloudSDR_files/CloudSDR_0v1.pdf

73
Paul
PD0SWL

233. Re: NetSDRx Specs

Yahoo group: CloudSDR
Date: 2017-08-02 17:17:04 UTC
From: jlmetcalfe@...
Topic: 231 Message: 233

Thanks, Paul. I went blank there for a moment & forgot about the files section. I did, however, remember the top end frequency correctly!

I don't guess this is a secret, but Pieter said last week that after they finish up the next run of NetSDR+ receivers, they'll get to work on the NetSDRx, the new name for the CloudSDR. I'm really looking forward to that!

Jack Metcalfe
Stanford, KY

234. SpectraVue: network not connected

Yahoo group: CloudSDR
Date: 2017-09-20 04:12:14 UTC
From: ecdowney@...
Topic: 234 Message: 234

Downloaded SpectraVue 3.39, trying to connect to my CloudIQ. But when SV starts the lower left corner says "Network Not Connected". If I open CloudIQ Setup and type in the IP and Find, it does not find the device.

I know the cloudiq is up and running on the network. I know it is in IQ mode. I can ping the IP and I can use putty to connect to the IP and port 50000 and as soon as I do that I can hear a relay click inside the CloudIQ.

Any tips on why SpectraVue can not find it?

Thanks.

235. Re: SpectraVue: network not connected

Yahoo group: CloudSDR
Date: 2017-09-20 11:28:18 UTC
From: bjarne.mjelde@...
Topic: 234 Message: 235

Is it visible in CloudSetup?

Bjarne

236. Re: SpectraVue: network not connected

Yahoo group: CloudSDR
Date: 2017-09-21 03:09:36 UTC
From: ecdowney@...
Topic: 234 Message: 236

No, it does not find anything either.

However tonight I waited longer in SpectraVue and noticed something new. After a while the lower left corner changed from "Network not connected" to "Idle" and I hear a relay click. But then after a while it goes back to no connected. Under "CloudIQ Setup" the IP is correct but clicking Find says Devices not found.

So it seems to be trying but not quite happy about something.

237. Re: SpectraVue: network not connected

Yahoo group: CloudSDR
Date: 2017-09-21 05:08:04 UTC
From: bjarne.mjelde@...
Topic: 234 Message: 237

I forgot to ask if you are connected via a router or directly. If via a router the IP address would typically be 192.168.x.x.

I had a similar (not necessarily identical) problem once, and was advised to uncheck DCHP in CloudSetup. You might try to change the DCHP setting in CloudSetup and do another search.

Bjarne

238. Re: SpectraVue: network not connected

Yahoo group: CloudSDR
Date: 2017-09-21 10:52:47 UTC
From: ivorydawn@...
Topic: 234 Message: 238

Morning all,

I too have been unable to find my CloudIQ on my Network using CloudIQ setup! It works fine and Spectravue connects and runs it but setup just doesn't find it, I put the IP address in manually and all is fine but don't understand why I cannot use setup to find it.

It is connected directly to the second Ethernet port that is bridged with the first Ethernet, firewall is off! OS is Win 8.1

Very strange

Regards

Andrew

239. Re: [CloudSDR] Re: SpectraVue: network not connected

Yahoo group: CloudSDR
Date: 2017-09-21 11:39:35 UTC
From: RFSPACE
Topic: 234 Message: 239

Andrew,

Have you tried the latest CloudSetup 1.11?

Pieter

Please excuse any grammatical or formatting errors.

> On Sep 21, 2017, at 6:52 AM, ivorydawn@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
> Morning all,
>
>
> I too have been unable to find my CloudIQ on my Network using CloudIQ setup! It works fine and Spectravue connects and runs it but setup just doesn't find it, I put the IP address in manually and all is fine but don't understand why I cannot use setup to find it.
>
> It is connected directly to the second Ethernet port that is bridged with the first Ethernet, firewall is off! OS is Win 8.1
>
> Very strange
>
> Regards
>
> Andrew
>

240. Re: SpectraVue: network not connected

Yahoo group: CloudSDR
Date: 2017-09-21 13:26:36 UTC
From: ivorydawn@...
Topic: 234 Message: 240

Hi Pieter,

Yes, I have tried 1.11 and it does not find the CloudIQ,

I have fixed the IP address on the bridge and the CloudIQ so they will always be the same on the network. neither 1.11 or CloudIQ setup finds it yet it still works fine in Spectravue and other packages too, very strange.

Regards

Andrew

241. Re: [CloudSDR] Cloud-IQ Power Supply questions

Yahoo group: CloudSDR
Date: 2017-10-07 12:40:39 UTC
From: u869@...
Topic: 212 Message: 241

Jack: I am curious, perhaps others, why you are using the external power supply versus the "wall-wart" / USB supply that came with the Cloud IQ? Is this more convenient for you or perhaps the switching wall-wart produces some RFI and the linear supply is cleaner and does not.

What linear supply are you using?

Herb

242. Re: Cloud-IQ Power Supply questions

Yahoo group: CloudSDR
Date: 2017-10-08 02:01:33 UTC
From: Elwood Downey
Topic: 242 Message: 242

You didn't ask me :-) but the reason I don't use the wall-wart that came with my CloudIQ is because I use my shack 13.8 and 5 VDC supplies for everything. At present, I have no wall-warts in my shack at all.

73, Elwood, WB0OEW

243. IQ Mode vs. Cloud Mode

Yahoo group: CloudSDR
Date: 2017-10-09 17:48:10 UTC
From: u869@...
Topic: 243 Message: 243

Hello:
I am wondering if I should be operating in Cloud Mode anytime I am on a wireless network. I have noticed that everything is very smooth in my LAN when I am connected via ethernet but when I go wireless, things can get very choppy and I can even "freeze" the program/display. Lately, a reboot of the wireless router has been needed to make the complete recovery for that wireless adapter/laptop.

Perhaps the program just demands so many resources that a wireless network is marginal. This is a question I have since I am operating a wireless network and laptop with supposedly "gaming specs".

I am thinking much less demanding when switching over to the cloud mode.

Thanks,

Herb

244. Re: IQ Mode vs. Cloud Mode

Yahoo group: CloudSDR
Date: 2017-10-09 23:28:06 UTC
From: gregella53@...
Topic: 243 Message: 244

I get such a much nicer spectrum display and waterfall in IQ mode with Spectravue vs cloud mode with remote client that I use it whenever I can, I use a wired Ethernet to my main computer, but my laptop is WiFi. I also sometimes get freezes and dropouts over WiFi. I have improved things a lot by getting a better, dual band router, moving it from the basement to an upstairs location, getting closer to the router, turning off unnecessary clients, not browsing the Internet while doing SDR, and reducing the bandwidth on my CloudIQ to 100 KHz when that is all I need.

Hope this helps

Greg Ella
AD0JP

245. Re: IQ Mode vs. Cloud Mode

Yahoo group: CloudSDR
Date: 2017-10-10 01:44:54 UTC
From: Elwood Downey
Topic: 243 Message: 245

I have 802n with MIMO at home and can sustain about 5 MBps which is good for an IQ mode spectrum width of several MHz but the rest of the household really drags. If you can not comfortably sustain this rate for whatever reason, then either drop the spectrum width way down to a few hundred kHz or, as you suspect, use Cloud mode which uses much less bandwidth. It’s great the CloudIQ gives us a way to trade this off so easily.

246. Cloud IQ "start-up" time

Yahoo group: CloudSDR
Date: 2017-10-18 12:43:49 UTC
From: u869@...
Topic: 246 Message: 246

Greetings:

I have noticed a variation in the "boot-up" time required for the Cloud IQ receiver.

I am using various LAN based computers, ethernet or wireless, and SDR-Console V2, SDR-Console V3 or SpectraVue software depending on the machine.

Sometimes, the boot-up after opening the program is instant: other times, there is substantial delay and the program takes 30 seconds before opening the receiver. Other times, it doesn't open the receiver at all and I am forced to do a "plug / unplug" on the Cloud IQ. I notice after this is done, the unit tends to respond / open very quickly for a time.

Does anyone have this issue? Is it a network issue or an issue with the SDR itself?

Herb

247. Re: [CloudSDR] Cloud IQ "start-up" time

Yahoo group: CloudSDR
Date: 2017-10-18 14:28:08 UTC
From: Greg Ella
Topic: 246 Message: 247

Sounds like a network issue. Do you have your CloudIQ set to a static IP address on your LAN? It might be informative to install Wireshark on your computers and watch what is happening on the network as you are trying to connect.

Greg Ella
AD0JP

On Wed, Oct 18, 2017 at 6:43 AM, u869@... [CloudSDR] <
CloudSDR@yahoogroups.com> wrote:

>
>
> Greetings:
>
>
> I have noticed a variation in the "boot-up" time required for the Cloud IQ
> receiver.
>
>
> I am using various LAN based computers, ethernet or wireless, and
> SDR-Console V2, SDR-Console V3 or SpectraVue software depending on the
> machine.
>
>
> Sometimes, the boot-up after opening the program is instant: other times,
> there is substantial delay and the program takes 30 seconds before opening
> the receiver. Other times, it doesn't open the receiver at all and I am
> forced to do a "plug / unplug" on the Cloud IQ. I notice after this is
> done, the unit tends to respond / open very quickly for a time.
>
>
> Does anyone have this issue? Is it a network issue or an issue with the
> SDR itself?
>
>
> Herb
>
>
>

248. Re: Cloud IQ "start-up" time

Yahoo group: CloudSDR
Date: 2017-10-19 22:18:28 UTC
From: clive@...
Topic: 246 Message: 248

What is being described is very similar to what I experience with my SDR-IQ.

My SDR-IQ is connected to my wired network using a Silex SX-2000U2 USB device server. Thus to access my SDR-IQ from either of my Windows 7 Pro 64-bit pc's, I use Silex's SX Virtual Link software which is installed on both pc's.

Originally when using Win-XP 32bit, access to the SDR-IQ was virtually instantaneous, but when I upgraded to a Win7 Pro 64-bit pc, I found that access was taking around 15 to 20 seconds. However, a second Win7 Pro 64-bit pc connected to my network through an additional network switch connects virtually instantaneously. Yet it is the same SDR-IQ and the same Silex SX-2000U2. The first Win 7 pc I mentioned above is a faster pc than the second one.

As to why there is a difference in access time, I don't know. The Silex SX Virtual Link simply shows, "Connecting to RF Space SDR-IQ. Please wait…"

My colour laser printer is also attached to the same network, I have no issues with printing from either pc.

Clive

249. Re: Cloud IQ "start-up" time

Yahoo group: CloudSDR
Date: 2017-10-20 07:35:17 UTC
From: Clive Carver
Topic: 246 Message: 249

What is being described is very similar to what I experience with my SDR-IQ.

My SDR-IQ is connected to my wired network using a Silex SX-2000U2 USB device server. Thus to access my SDR-IQ from either of my Windows 7 Pro 64-bit pc's, I use Silex's SX Virtual Link software.

Originally when using Win-XP 32bit, access to the SDR-IQ was virtually instantaneous, but when I upgraded to a Win7 Pro 64-bit pc, I found that access was taking around 15 to 20 seconds. However, a second Win7 Pro 64-bit pc connected to my network through an additional network switch connects virtually instantaneously. Yet it is the same SDR-IQ and the same Silex SX-2000U2. The first Win 7 pc I mentioned above is a faster pc than the second one.

As to why there is a difference in access time, I don't know. The Silex SX Virtual Link simply shows, "Connecting to RF Space SDR-IQ. Please wait."

My colour laser printer is also attached to the same network, I have no issues with printing from either pc.

Clive

250. Cloud Mode To Allow Multiple Connections?

Yahoo group: CloudSDR
Date: 2017-10-29 17:25:12 UTC
From: bjarne.mjelde@...
Topic: 250 Message: 250

I wonder if it could be possible to modify the server/client so that multiple users could share the connection within the chosen sample rate? It would be interesting for me to share the MW spectrum (1.5 MHz sample rate) if more than one user was allowed in.

Bjarne Mjelde
Arctic Norway

251. Re: [CloudSDR] Cloud Mode To Allow Multiple Connections?

Yahoo group: CloudSDR
Date: 2017-10-30 00:20:49 UTC
From: Greg Ella
Topic: 250 Message: 251

Sure, if you have optical fiber all the way to your router and you have a 100 MBPS upload speed, you can just put it in IQ mode and push the whole capture bandwidth to as many people as you want. For us mere mortals, however, when in Cloud mode, the demodulation and fft generation are done within the radio, and then demodulated audio and fft frames are compressed and pushed out. It all comes down to how much uplink bandwidth you have from your ISP.

Greg Ella
AD0JP

On Sun, Oct 29, 2017 at 11:25 AM, bjarne.mjelde@yahoo.com [CloudSDR] <
CloudSDR@yahoogroups.com> wrote:

>
>
> I wonder if it could be possible to modify the server/client so that
> multiple users could share the connection within the chosen sample rate?
> It would be interesting for me to share the MW spectrum (1.5 MHz sample
> rate) if more than one user was allowed in.
>
>
> Bjarne Mjelde
>
> Arctic Norway
>
>
>

252. Re: [CloudSDR] Cloud Mode To Allow Multiple Connections?

Yahoo group: CloudSDR
Date: 2017-10-30 19:37:18 UTC
From: bjarne.mjelde@...
Topic: 250 Message: 252

Sigh....

What I had in mind was a solution, if technically possible, similar to the KiwiSDR or SDR#
Spyserver, in Cloud mode, within a specified sample rate and frequency range.

Bjarne Mjelde
arcticdx.blogspot.com

253. RE: [CloudSDR] Cloud Mode To Allow Multiple Connections?

Yahoo group: CloudSDR
Date: 2017-10-30 22:42:31 UTC
From: Simon Brown
Topic: 250 Message: 253

With any luck my V3 server would allow this.

Simon Brown, G4ELI

<http://www.dxgalaxy.com/> www.dxgalaxy.com
<http://www.sdr-radio.com/> www.sdr-radio.com
<http://www.sdr-satellites.com> www.sdr-satellites.com

From: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
Sent: 30 October 2017 19:37
To: CloudSDR@yahoogroups.com
Subject: Re: [CloudSDR] Cloud Mode To Allow Multiple Connections?

Sigh....

What I had in mind was a solution, if technically possible, similar to the KiwiSDR or SDR#
Spyserver, in Cloud mode, within a specified sample rate and frequency range.

Bjarne Mjelde

arcticdx.blogspot.com

254. Re: [CloudSDR] Cloud Mode To Allow Multiple Connections?

Yahoo group: CloudSDR
Date: 2017-10-30 22:43:57 UTC
From: RFSPACE
Topic: 250 Message: 254

Thanks Simon,

Pieter

Please excuse any grammatical or formatting errors.

> On Oct 30, 2017, at 6:42 PM, 'Simon Brown' simon@... [CloudSDR]
<CloudSDR@yahoogroups.com> wrote:
>
> With any luck my V3 server would allow this.
>
>
>
> Simon Brown, G4ELI
>
>
>
> www.dxgalaxy.com
> www.sdr-radio.com
> www.sdr-satellites.com
>
>
>
>
>
> From: CloudSDR@yahoogroups.com [mailto:CloudSDR@yahoogroups.com]
> Sent: 30 October 2017 19:37
> To: CloudSDR@yahoogroups.com
> Subject: Re: [CloudSDR] Cloud Mode To Allow Multiple Connections?
>
>
>
>
>
> Sigh....
>
>
>
> What I had in mind was a solution, if technically possible, similar to the KiwiSDR or
SDR# Spyserver, in Cloud mode, within a specified sample rate and frequency range.
>
>
>
> Bjarne Mjelde
>
> arcticdx.blogspot.com

>
>
>

255. RE: [CloudSDR] Cloud Mode To Allow Multiple Connections?

Yahoo group: CloudSDR
Date: 2017-10-30 22:58:11 UTC
From: bjarne.mjelde@...
Topic: 250 Message: 255

Thanks Simon. That would be very interesting indeed.

Bjarne Mjelde
arcticdx.blogspot.com

256. RE: [CloudSDR] Cloud Mode To Allow Multiple Connections?

Yahoo group: CloudSDR
Date: 2017-11-02 21:01:40 UTC
From: daiche@...
Topic: 250 Message: 256

Hi Bjarne!

How are you liking your CloudIQ these days? A few weeks ago I captured a few of the Australian ethnic 400 watt stations on 1611 and 1701Khz from Grants Pass, Oregon. That is inland about 55 miles. I used a 1530LN, one of my 30' circumference tent pole flags and also an 11' x 64' DKAZ double loop, which had the best pattern and clearest signal, of course.

Regards,

Dave Aichelman N7NZH Grants Pass, Oregon

257. RE: [CloudSDR] Cloud Mode To Allow Multiple Connections?

Yahoo group: CloudSDR
Date: 2017-11-04 20:19:57 UTC
From: bjarne.mjelde@...
Topic: 250 Message: 257

Good catches, Dave. The Cloud-IQ is the most sensitive SDR I have come across, but because I am using Jaguar software, most of my listening is based on Perseus. With any luck, that might change during the coming year.

Bjarne Mjelde
arcticdx.blogspot.com

258. CuteSDR and Omnirig

Yahoo group: CloudSDR
Date: 2017-11-12 20:50:52 UTC
From: winston376@...
Topic: 258 Message: 258

I'm using the Cloud IQ as a panadapter with an IC-7000 and Spectravue. Is there a way to use CuteSDR with Omnirig or any other CI-V type control software or interface?

Thanks in advance.

Alex

259. Cloud-IQ, Restoring default settings

Yahoo group: CloudSDR
Date: 2018-03-28 17:17:29 UTC
From: <jens Otto Sørensen
Topic: 259 Message: 259

Hello Group,

I moved my Cloud-IQ to a new and remote location for better reception.
During the process, I unfortunately and by mistake, entered my public IP address into the IP address field in the CloudSetup program.
Now the CloudSetup program can no longer find my SDR.
Any idea on how to reset the radio to default settings?

Thank you in advance.

Jens/OZ8SO

260. Re: [CloudSDR] Cloud-IQ, Restoring default settings

Yahoo group: CloudSDR
Date: 2018-03-28 23:03:10 UTC
From: RFSPACE
Topic: 259 Message: 260

Jens,

The instructions posted will work. You can also plug/unplug the power jack 3-4 times. Plug it in until the LEDs start blinking, then unplug it right away. Do it 3 times or 4 and it will reset to normal.

Pieter

Please excuse any grammatical or formatting errors.

> On Mar 28, 2018, at 1:17 PM, <jens Otto Sørensen jensoz8so@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:
>
> Hello Group,
>
> I moved my Cloud-IQ to a new and remote location for better reception.
> During the process, I unfortunately and by mistake, entered my public IP address into the IP address field in the CloudSetup program.
> Now the CloudSetup program can no longer find my SDR.
> Any idea on how to reset the radio to default settings?
>
> Thank you in advance.
>
> Jens/OZ8SO
>
>

261. Re: [CloudSDR] Cloud-IQ, Restoring default settings

Yahoo group: CloudSDR
Date: 2018-03-28 21:11:29 UTC
From: George Cambron
Topic: 259 Message: 261

If I understand correctly, you set the static IP address of the CloudIQ SDR to a public address. Let's say that address was 74.192.153.20 . Use a direct ethernet cable from a computer (Linux or Windows) to the SDR. Do not put it on a network. Modify the properties of your computer's ethernet port to 74.192.153.1 with a net mask of 255.255.255.0 . The gateway address doesn't matter but you can use 74.192.153.1 as well. Make sure you set your computer's address as static.
Now if you are on Windows use Spectravue or the cloud setup utility to find the SDR. You should be able to ping it using the command,
ping 74.192.153.20
If you're having trouble, you may have WiFi enabled and the setup utility may look on the wrong port. Isolate your computer if needed.
Good luck,
G. Keith Cambron

On Wednesday, March 28, 2018, 1:58:51 PM PDT, <jens Otto Sørensen jensoz8so@... [CloudSDR] <CloudSDR@yahoogroups.com> wrote:

Hello Group,

I moved my Cloud-IQ to a new and remote location for better reception.
During the process, I unfortunately and by mistake, entered my public IP address into the IP address field in the CloudSetup program.
Now the CloudSetup program can no longer find my SDR.
Any idea on how to reset the radio to default settings?

Thank you in advance.

Jens/OZ8SO

262. Re: Cloud-IQ, Restoring default settings

Yahoo group: CloudSDR
Date: 2018-03-30 17:01:53 UTC
From: josmaritime@...
Topic: 259 Message: 262

Hello folks,

Thank you to Pieter and Keith for responding to my need. The simple "plug and unplug" method did the trick. I am back in business!
The station name is "Landdybet", and is located in the northern part of Denmark.
Within a week or so, I will attempt to relocate the Cloud IQ to a remote summer house with very low background noise. The antenna will be a T2FD and a 20m Delta loop.
Feel free to try it out. Until further, there will be no password requirement on it.
73
Jens/OZ8SO